

Supplemental Material

for

Species Distribution Modelling: Contrasting presence-only models with plot abundance data

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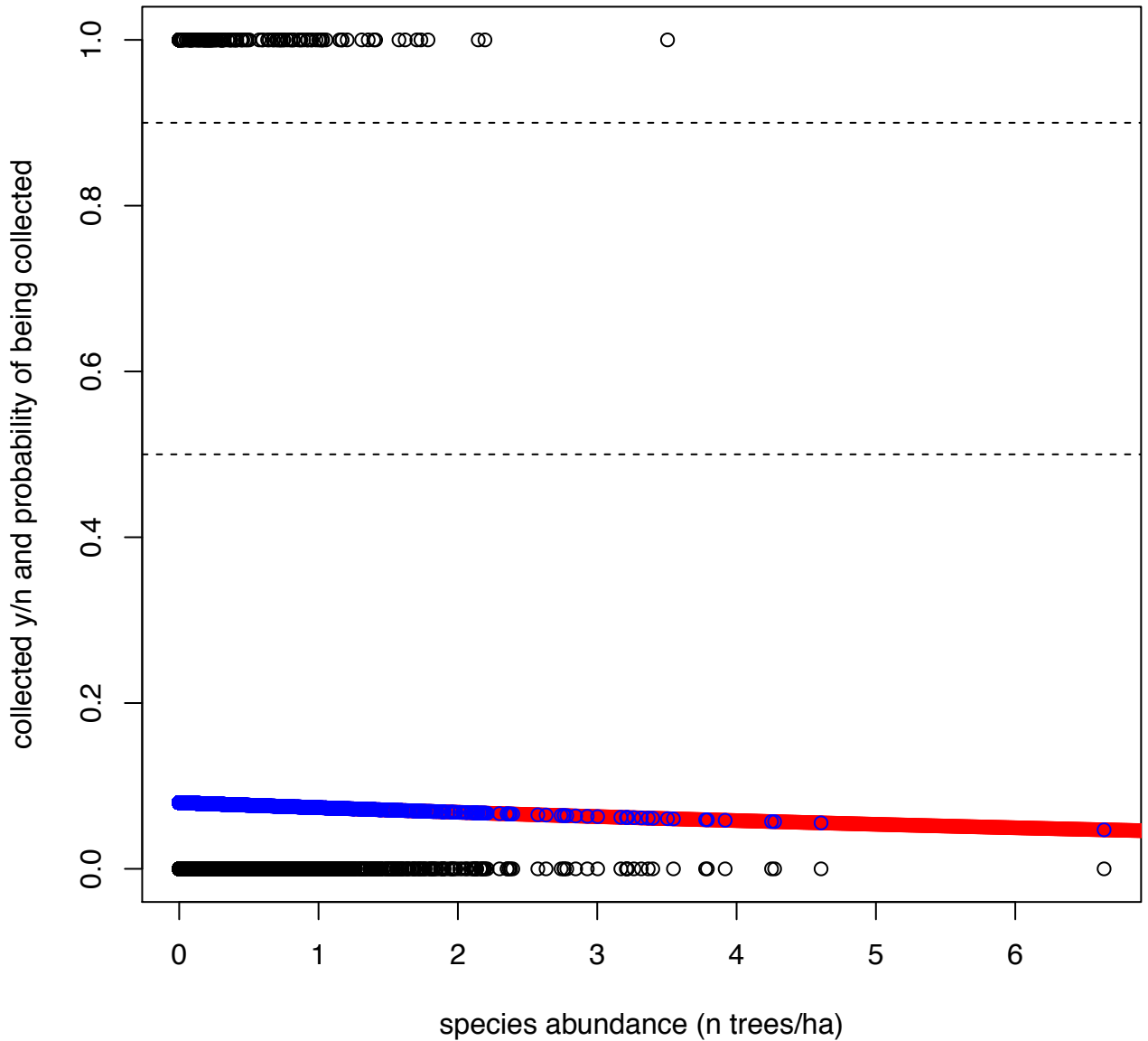
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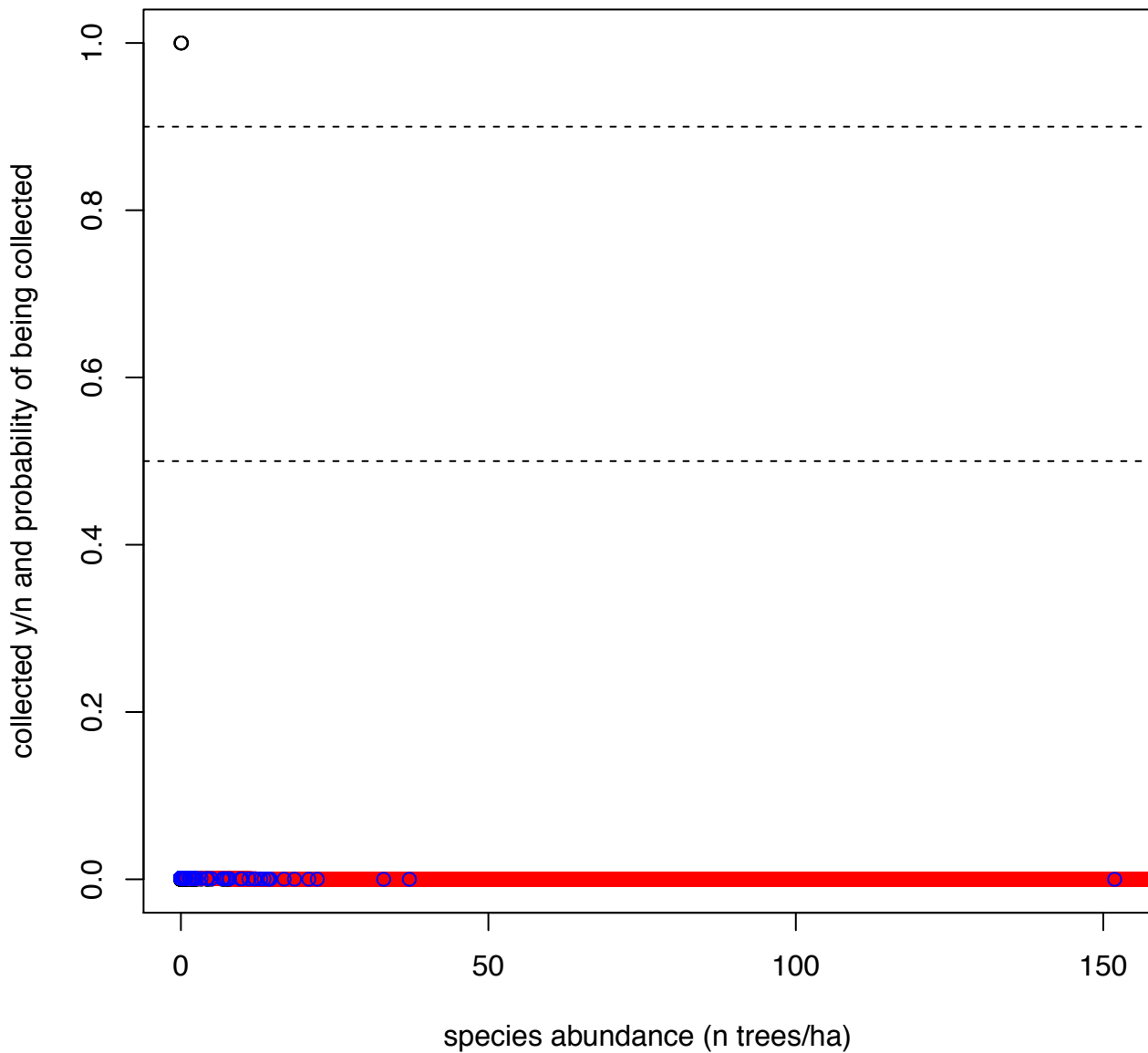
Appendix S1: How does abundance affect the chance of being found?

Comparison of the collection localities to the probability distribution as predicted by an inverse distance weighting model (IDW), based on the abundance of species in tree inventory plots. A binomial generalized linear model (logit regression) was used to determine if a significant positive relationship existed between the probability of being collected and predicted local relative abundance for all 227 hyperdominant Amazonian tree species.

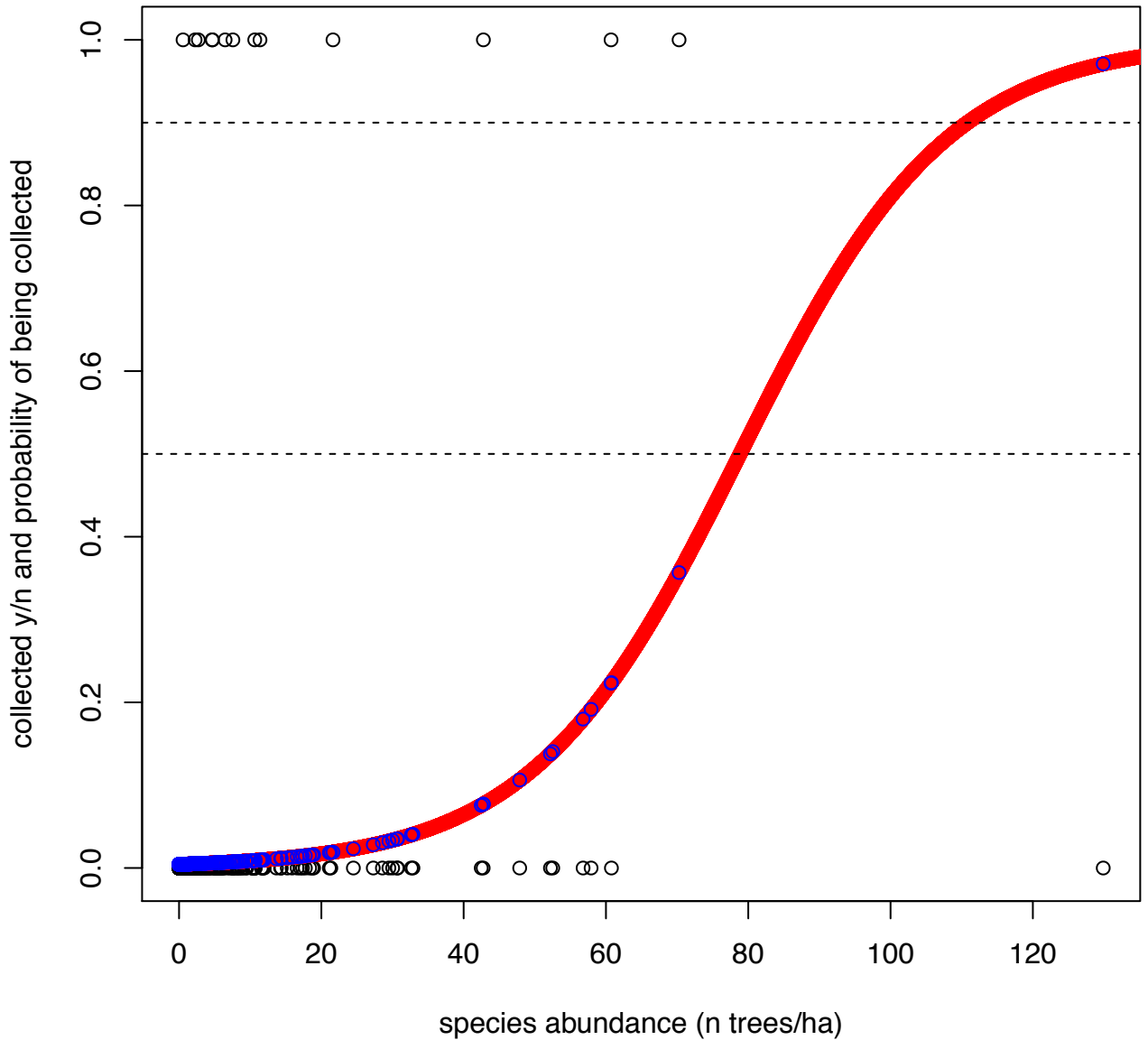
Abarema_jupunba – Non-significant



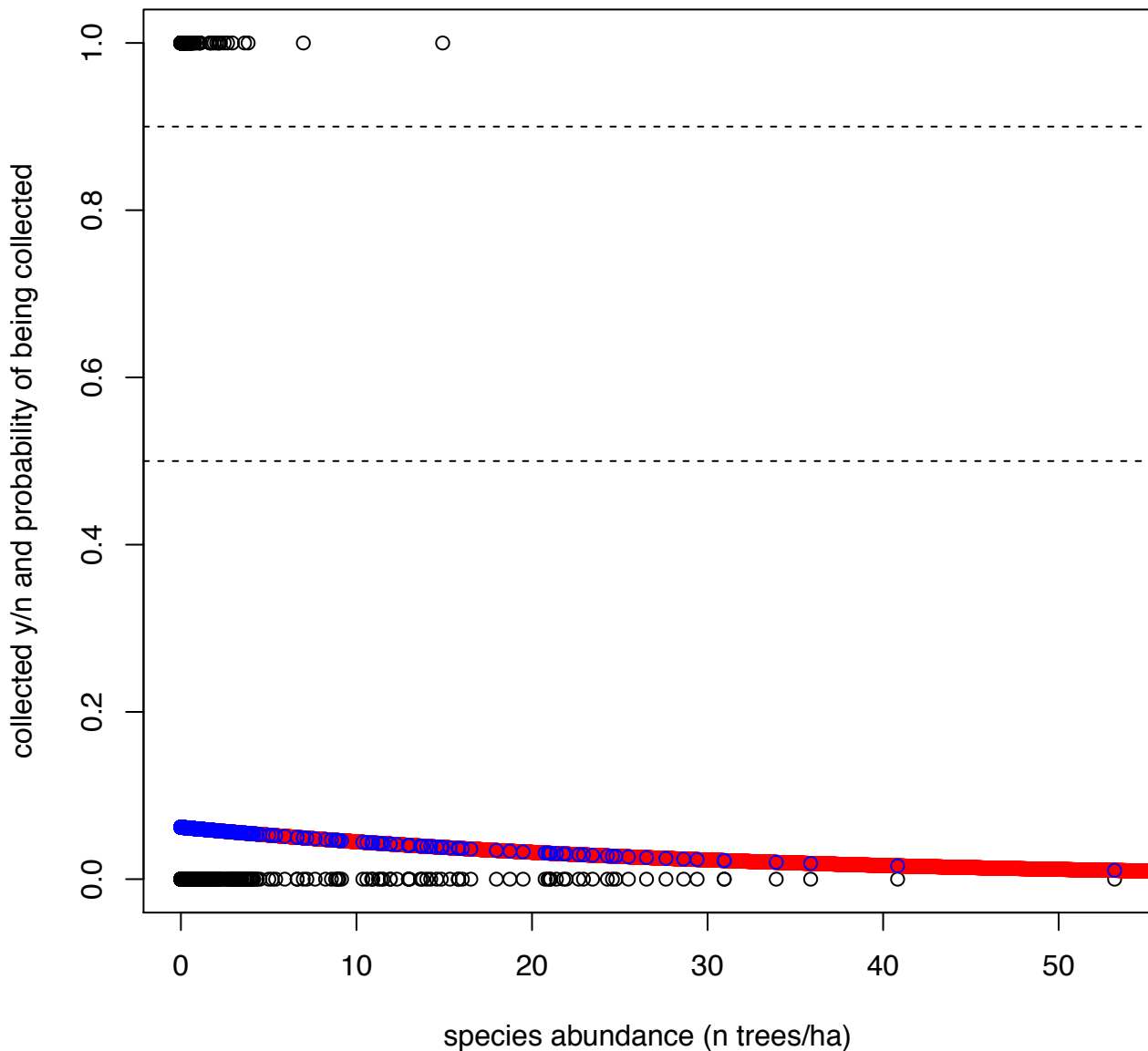
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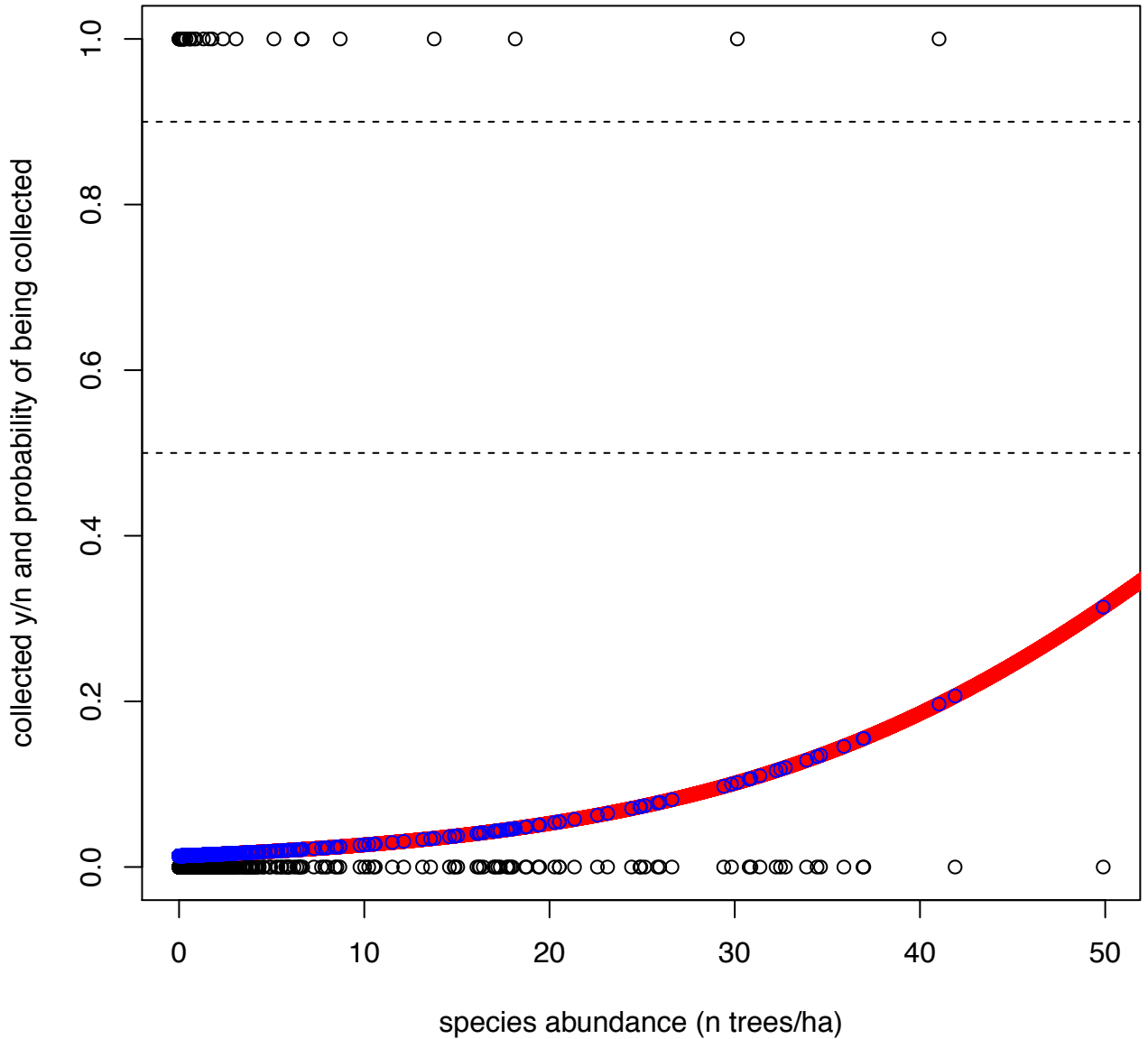
Alexa_imperatricis – Significant



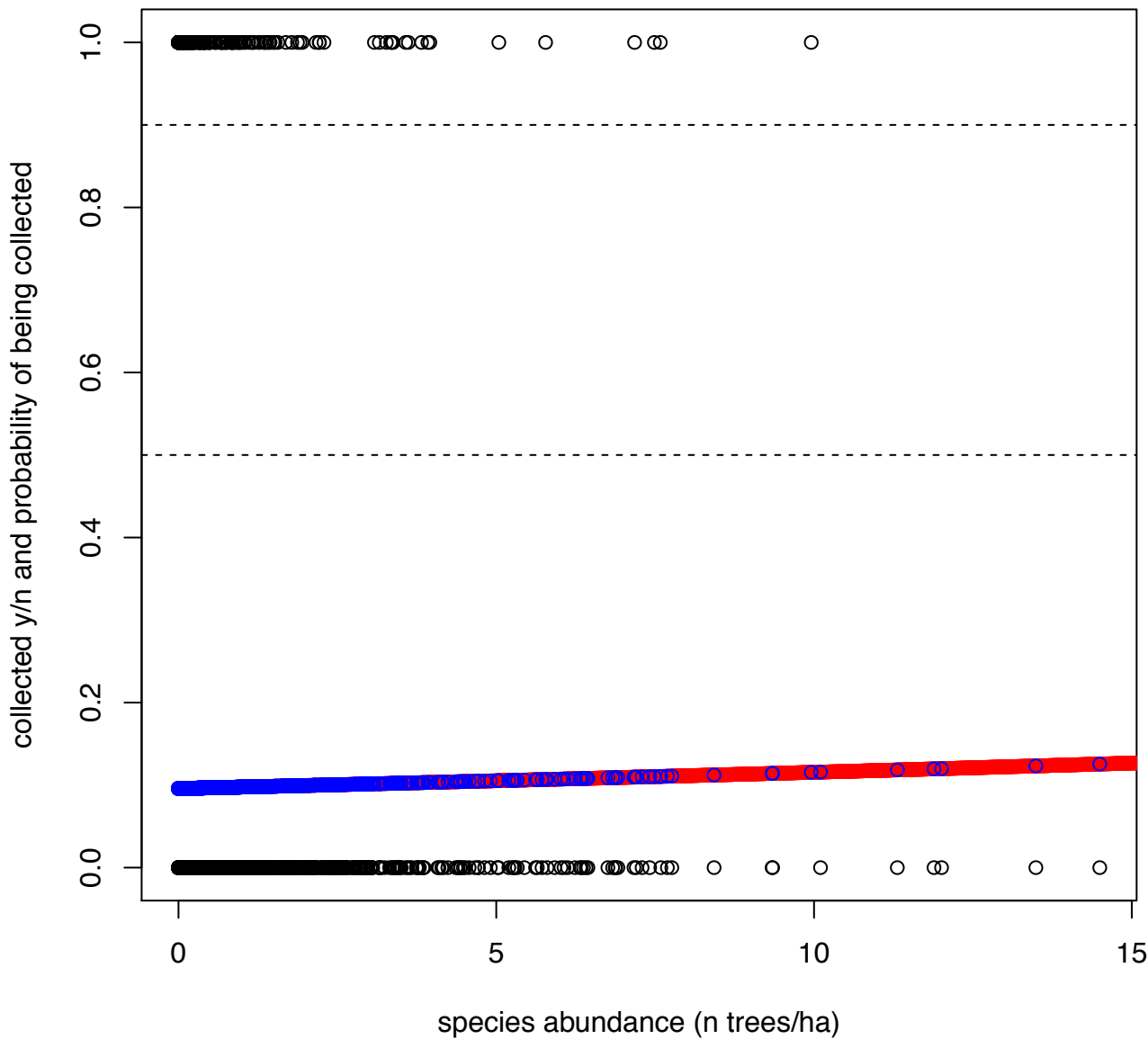
Amaioua_guianensis – Non-significant



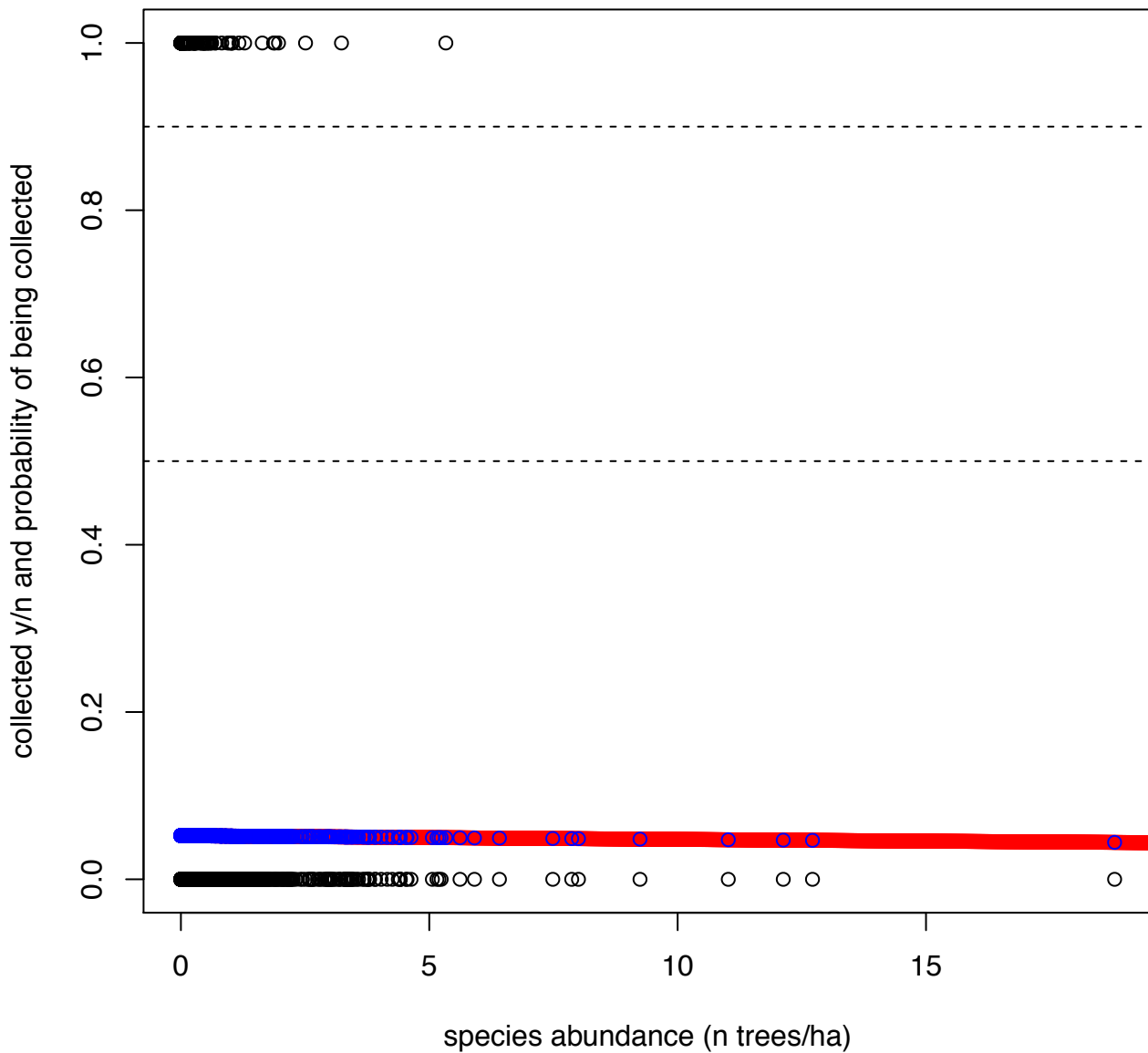
Amphiodon_effusus – Significant



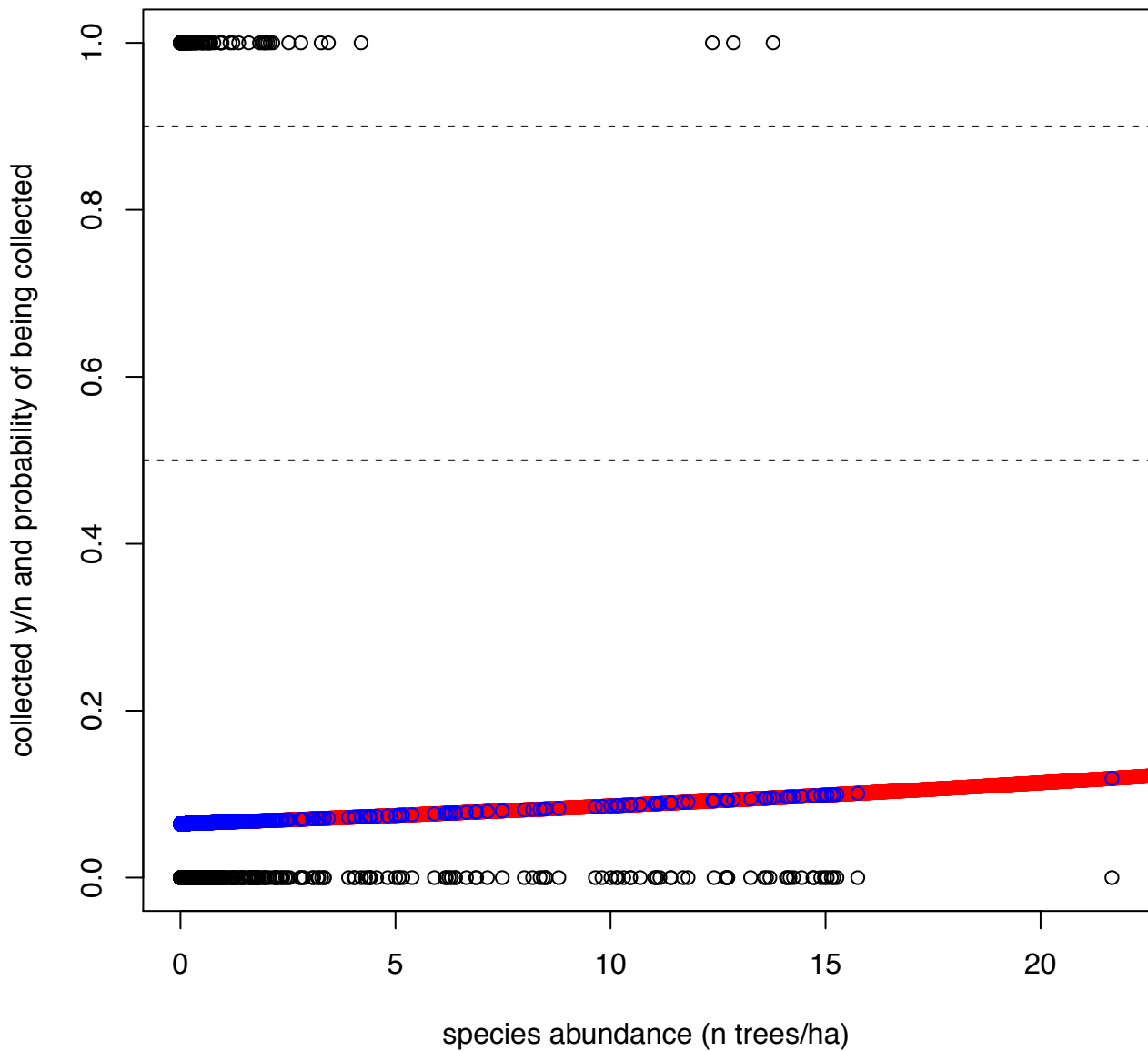
Aparisthmium_cordatum – Non-significant



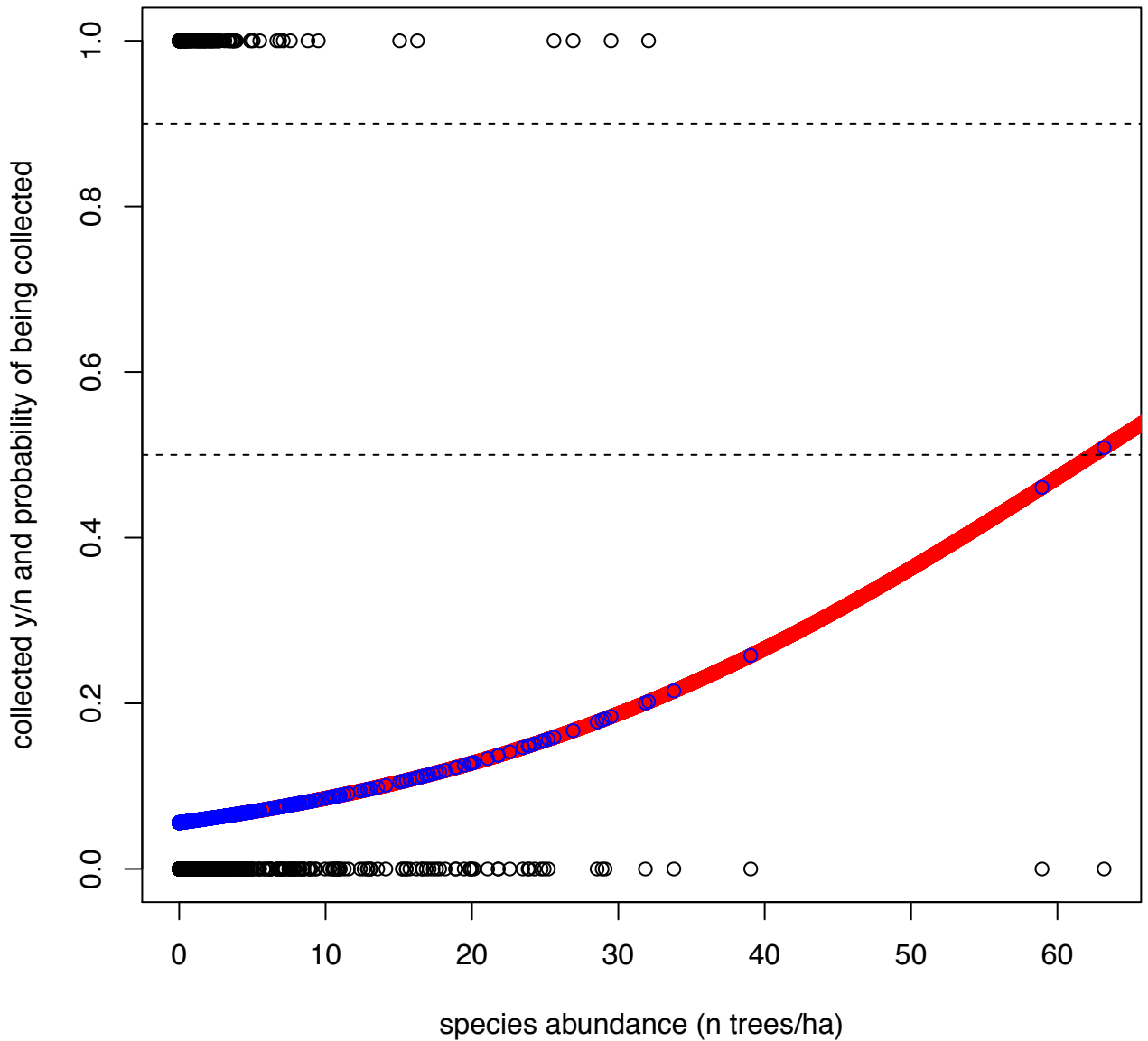
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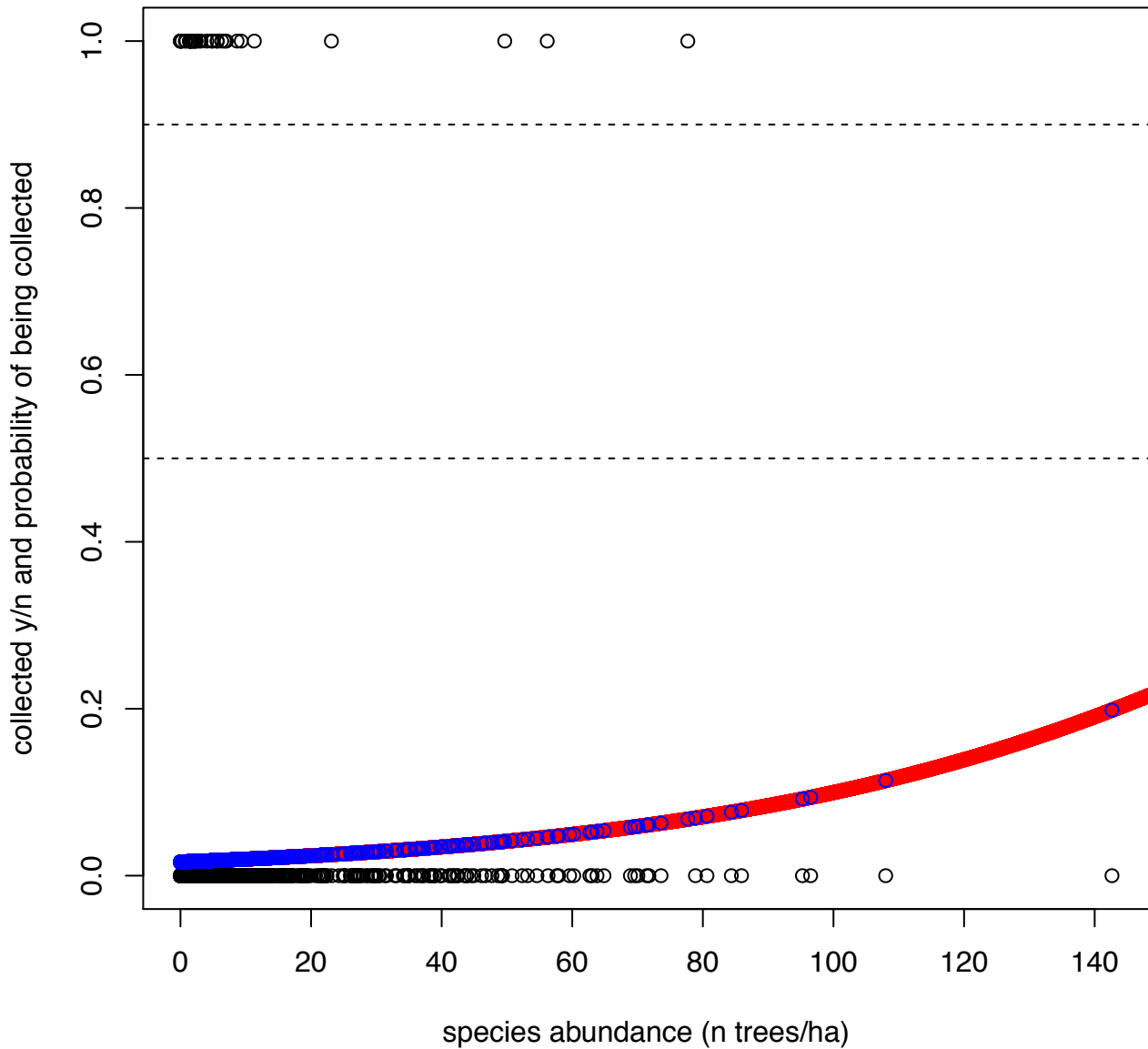
Apeiba_tibourbou – Non-significant



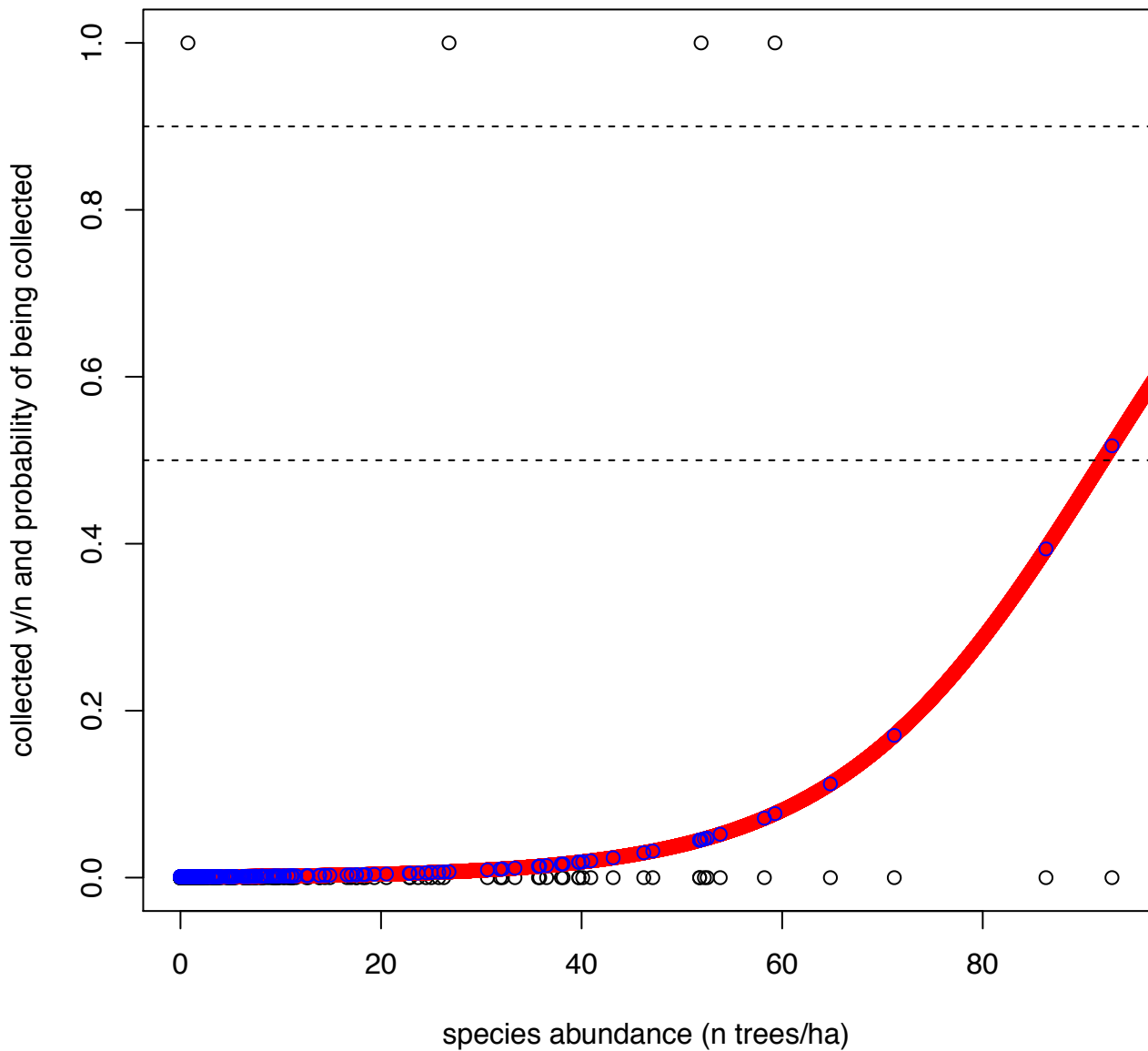
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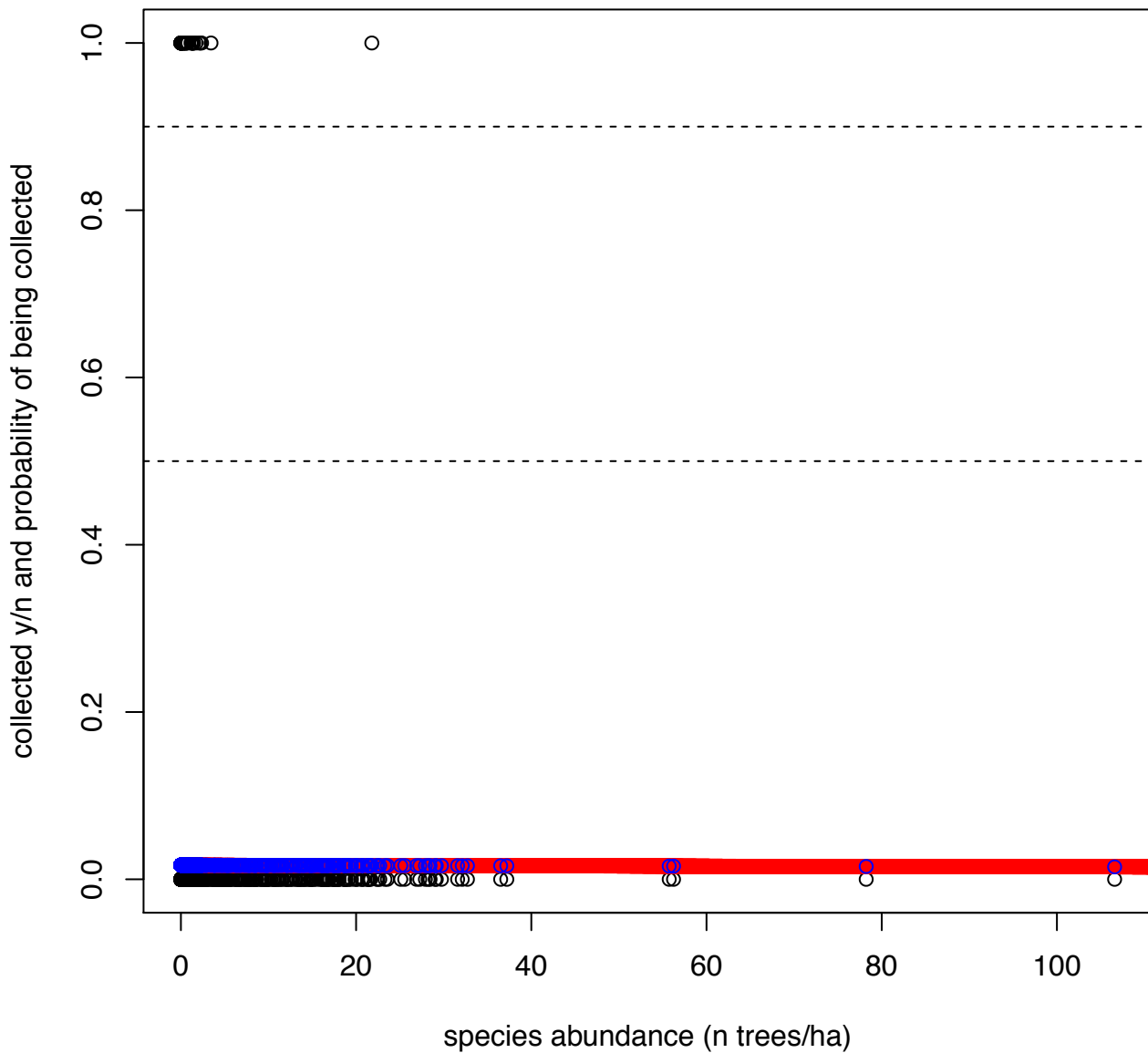
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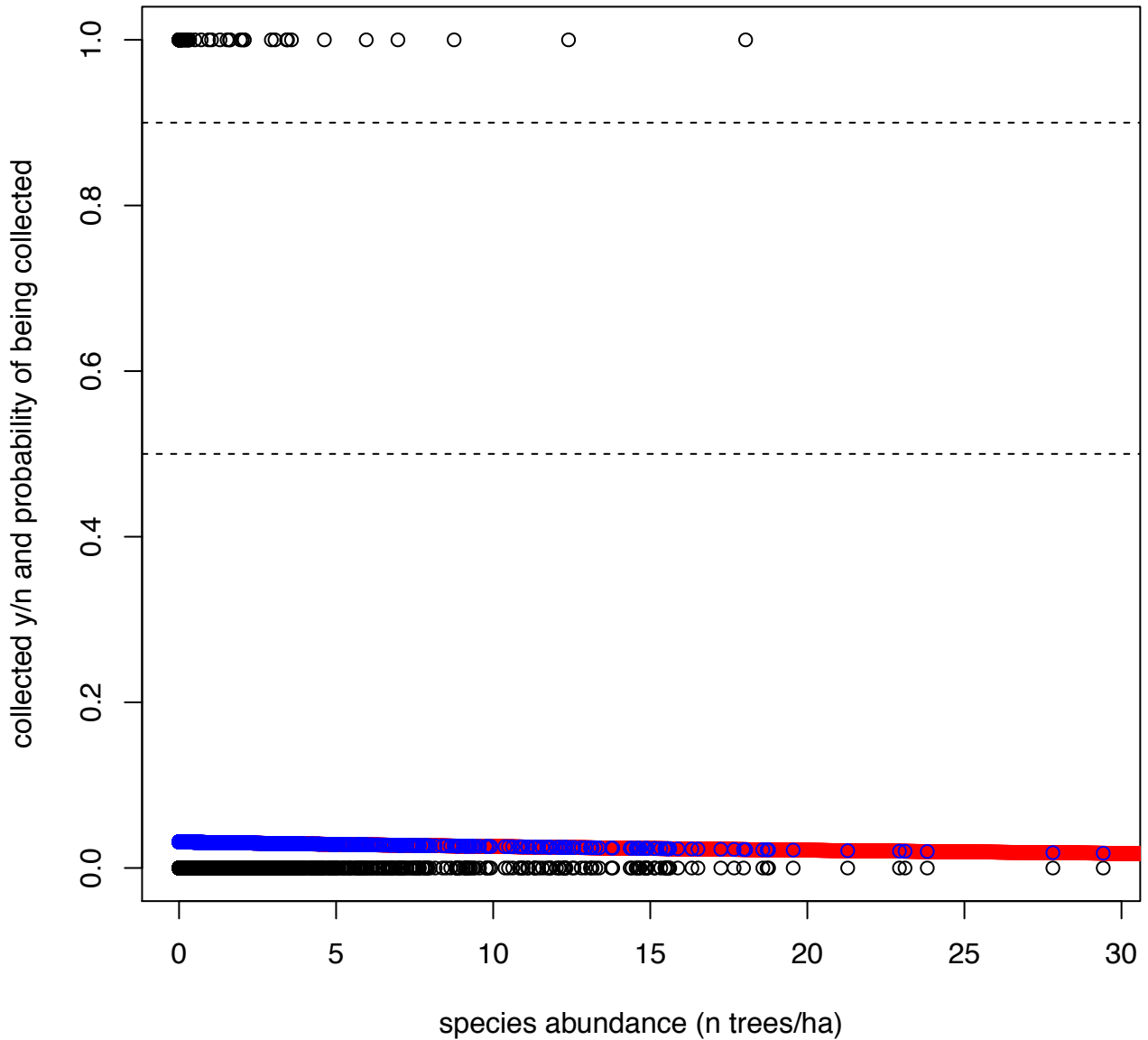
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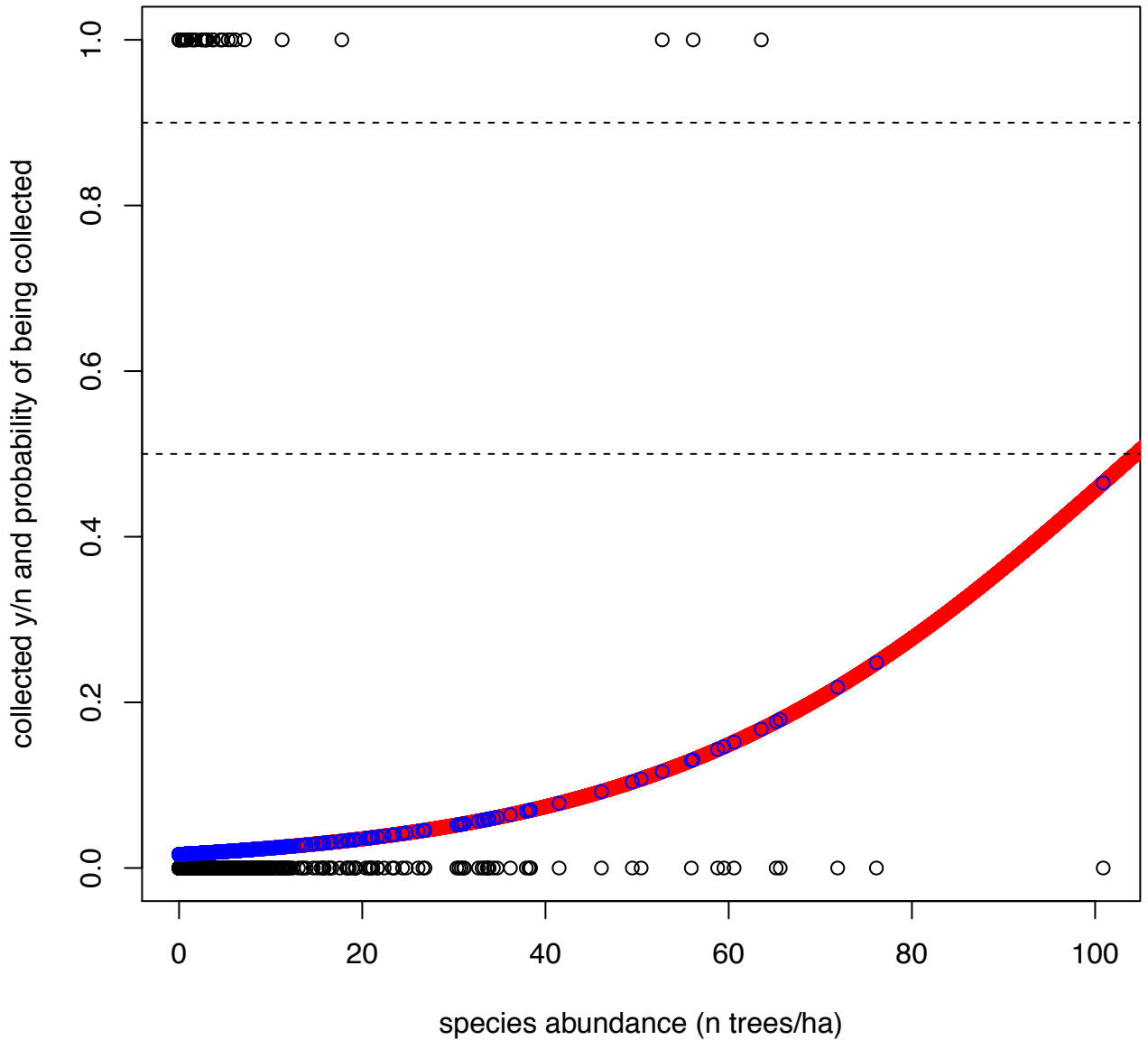
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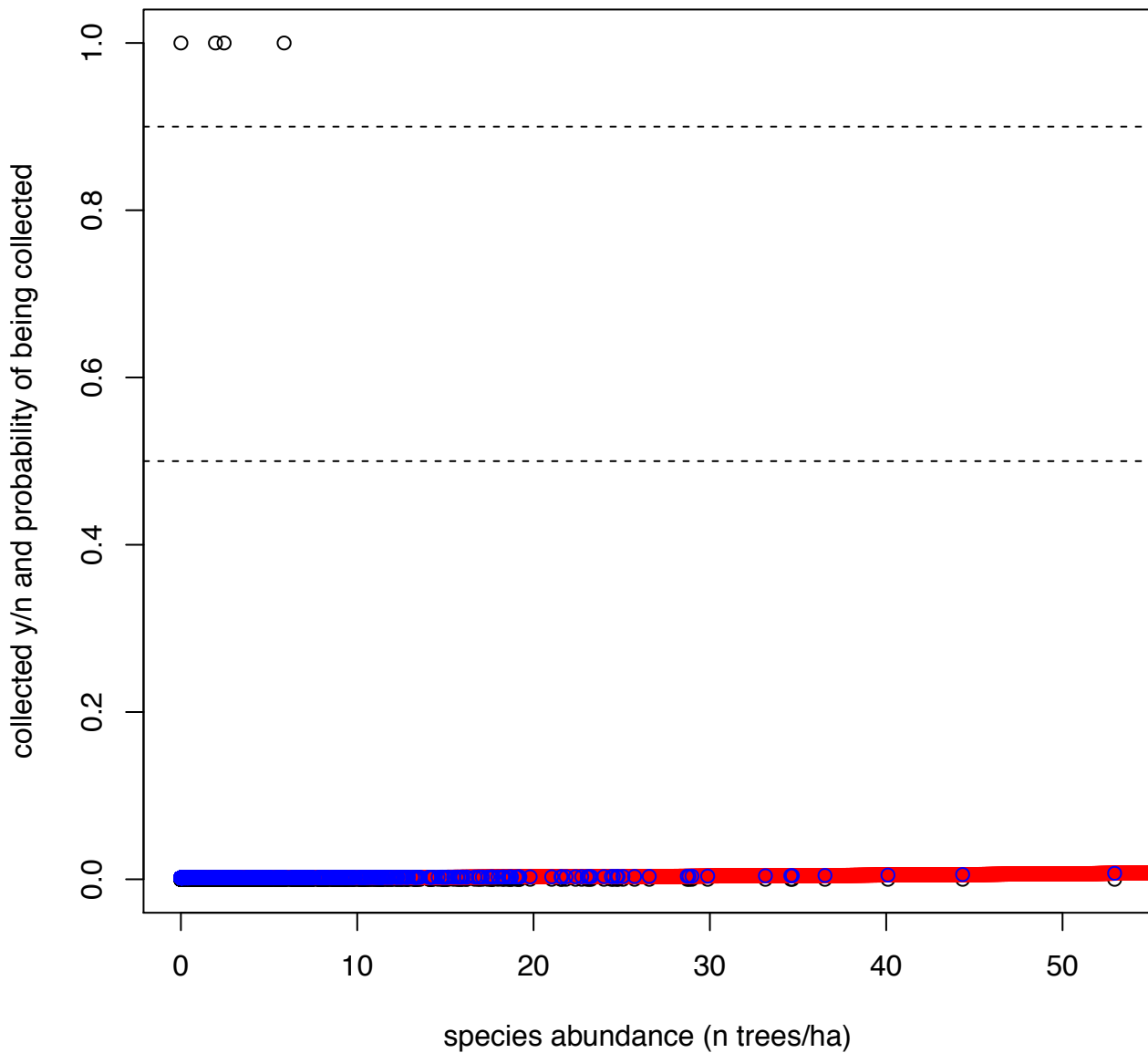
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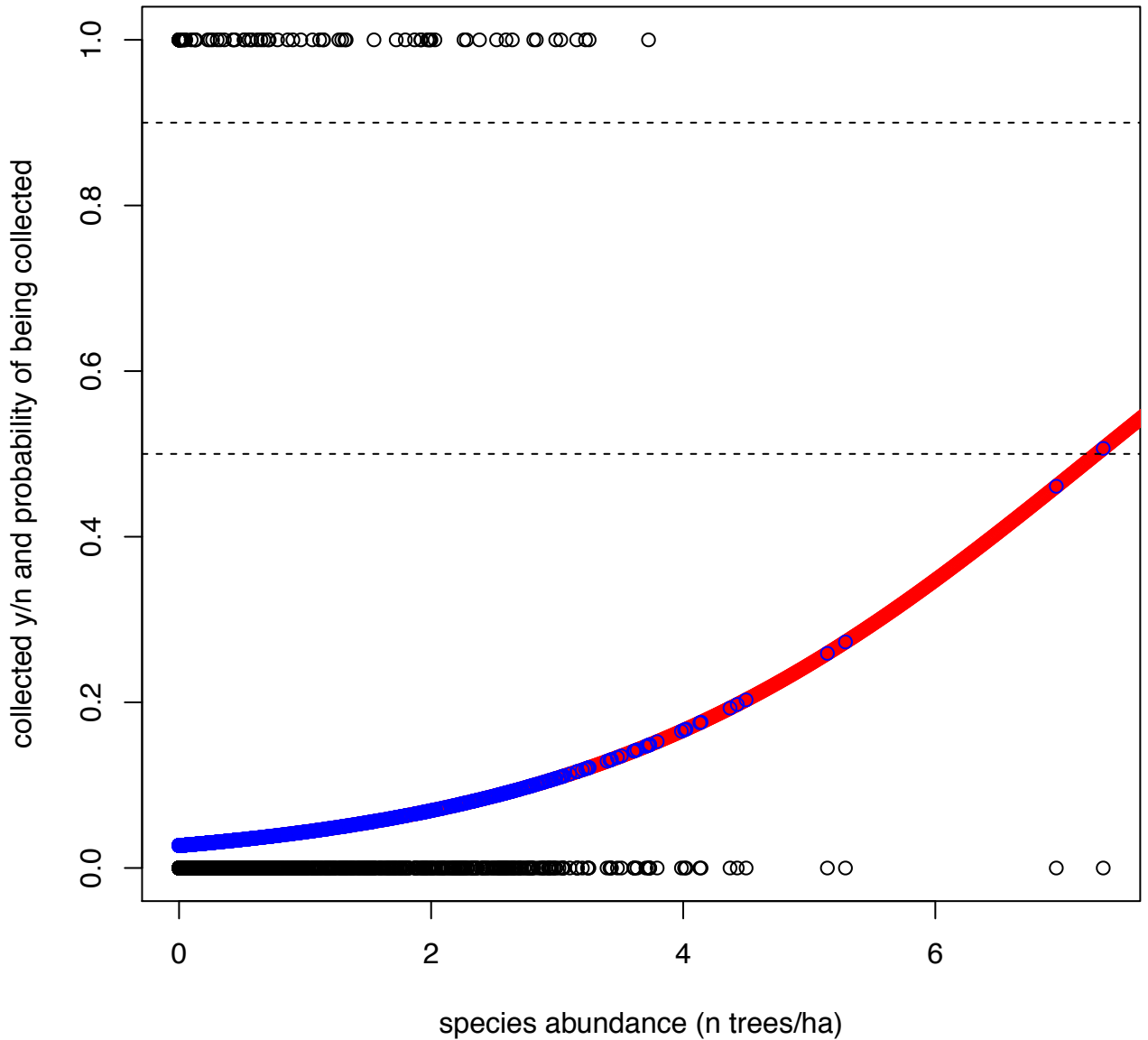
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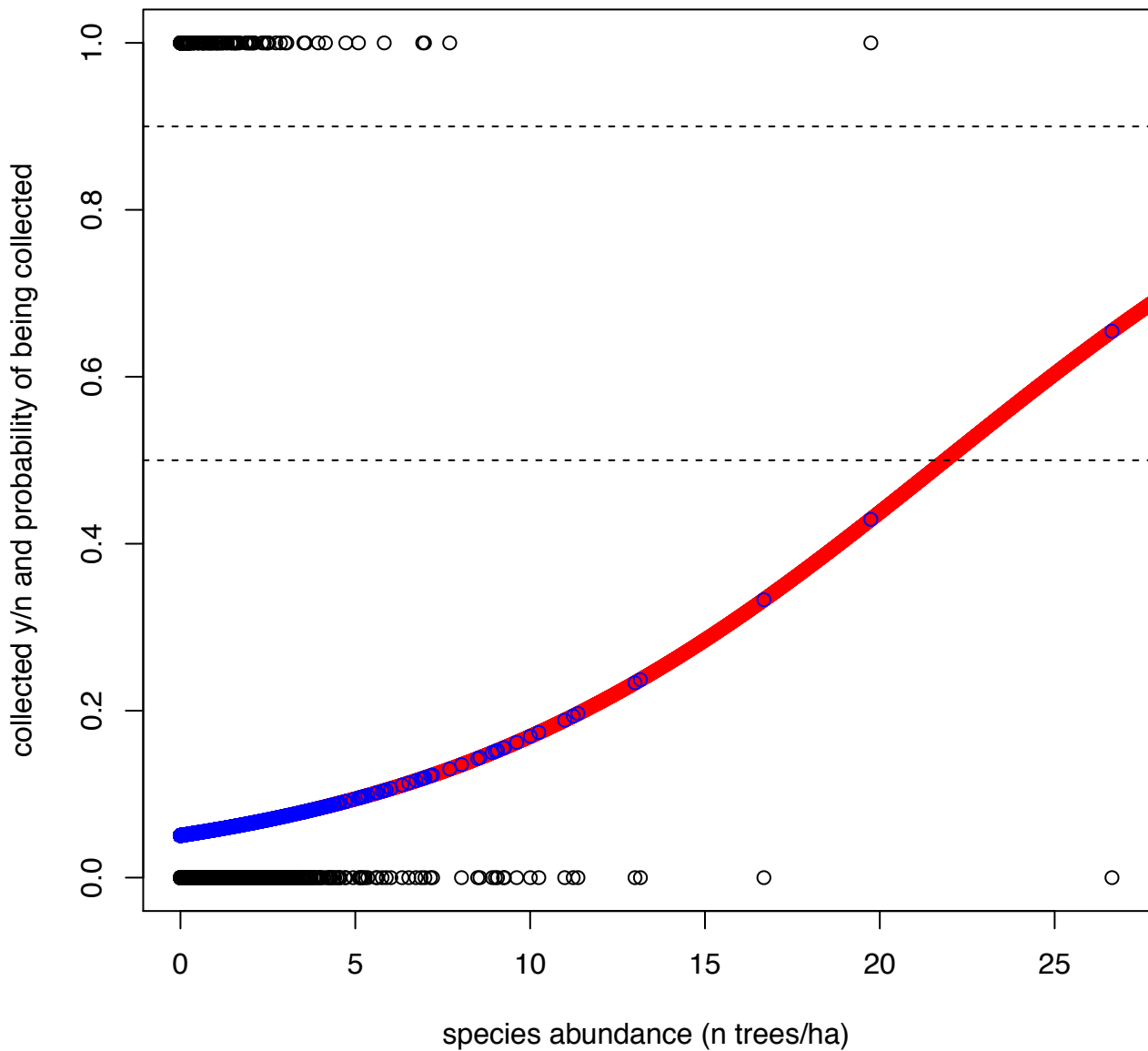
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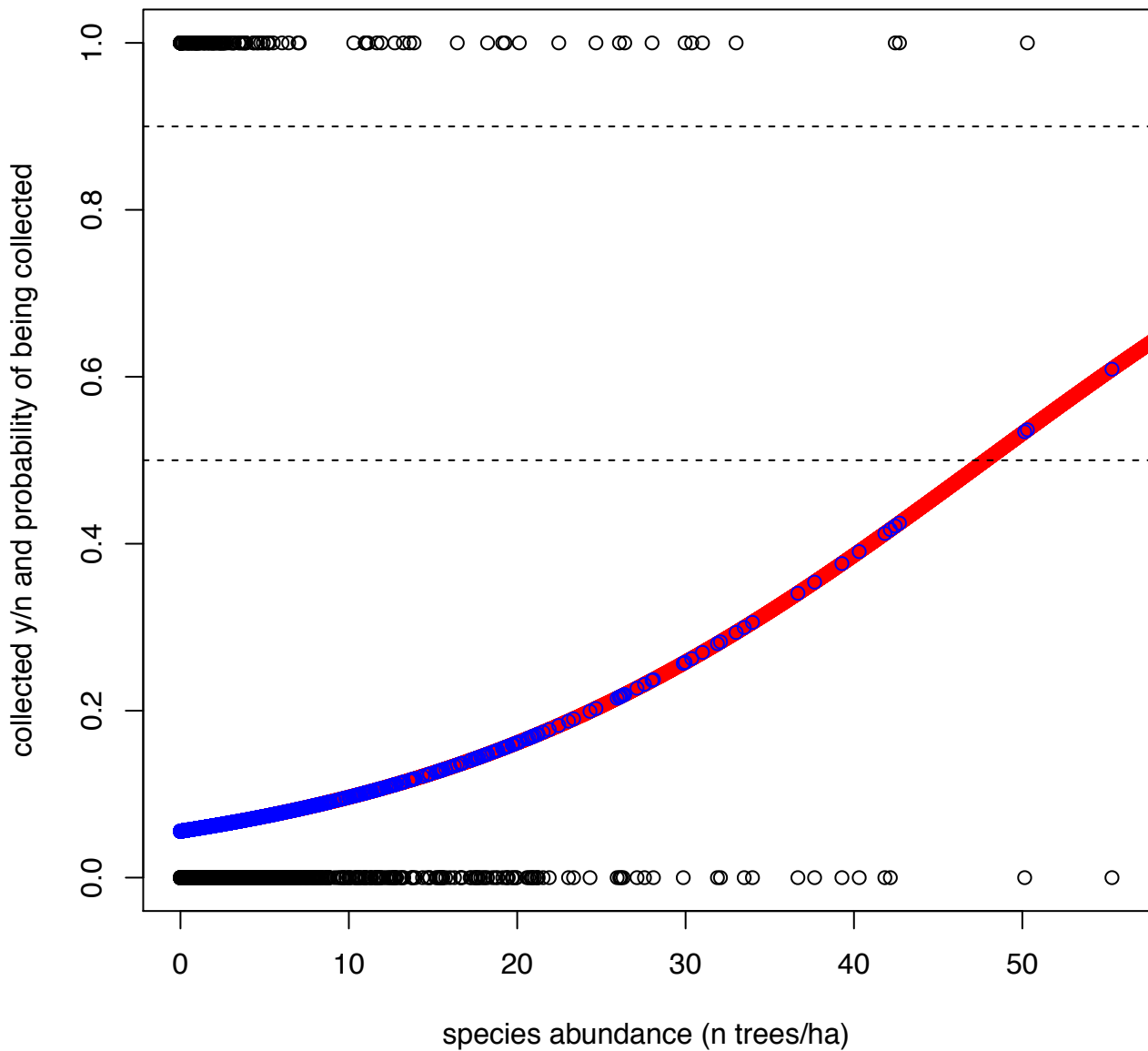
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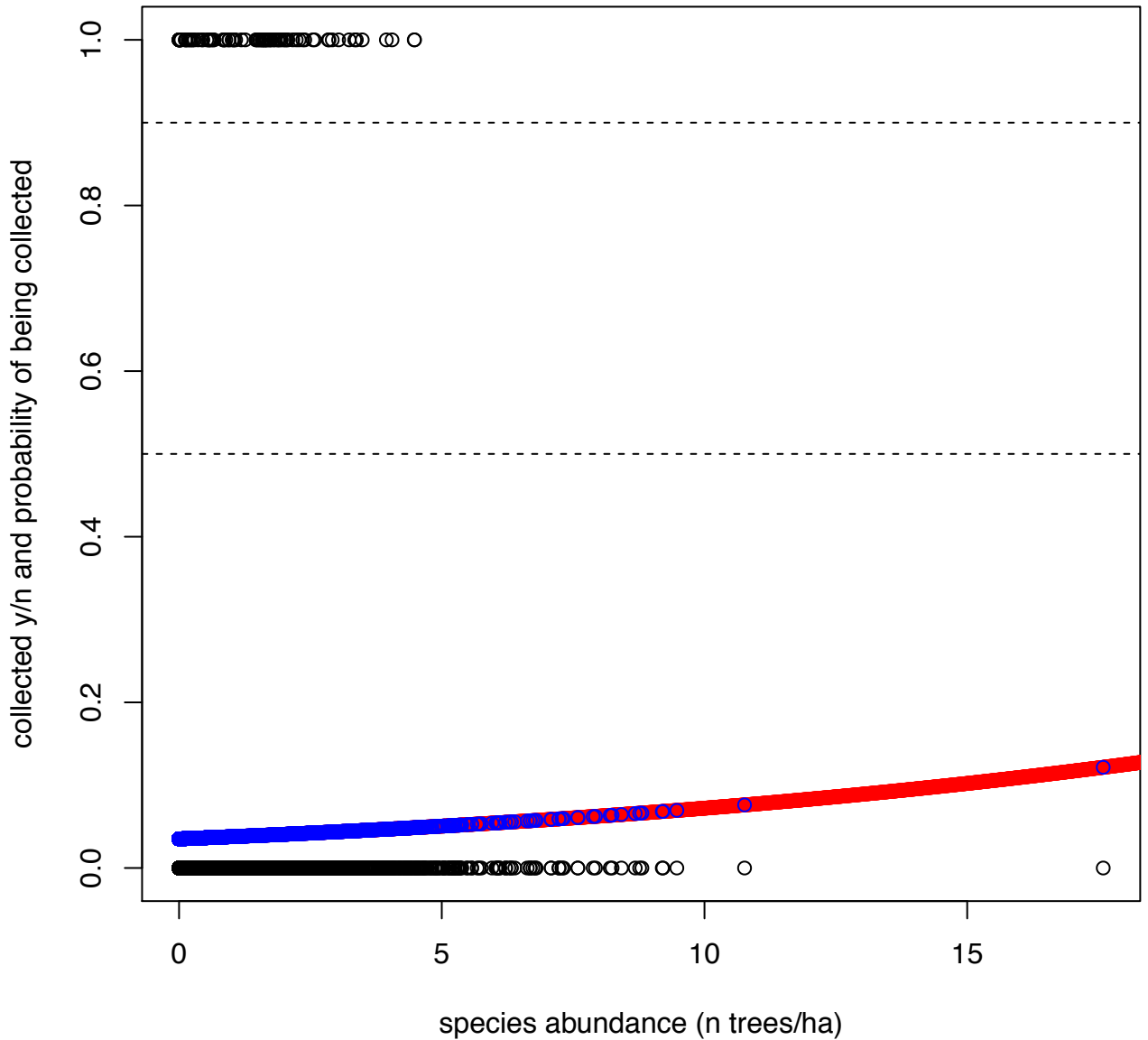
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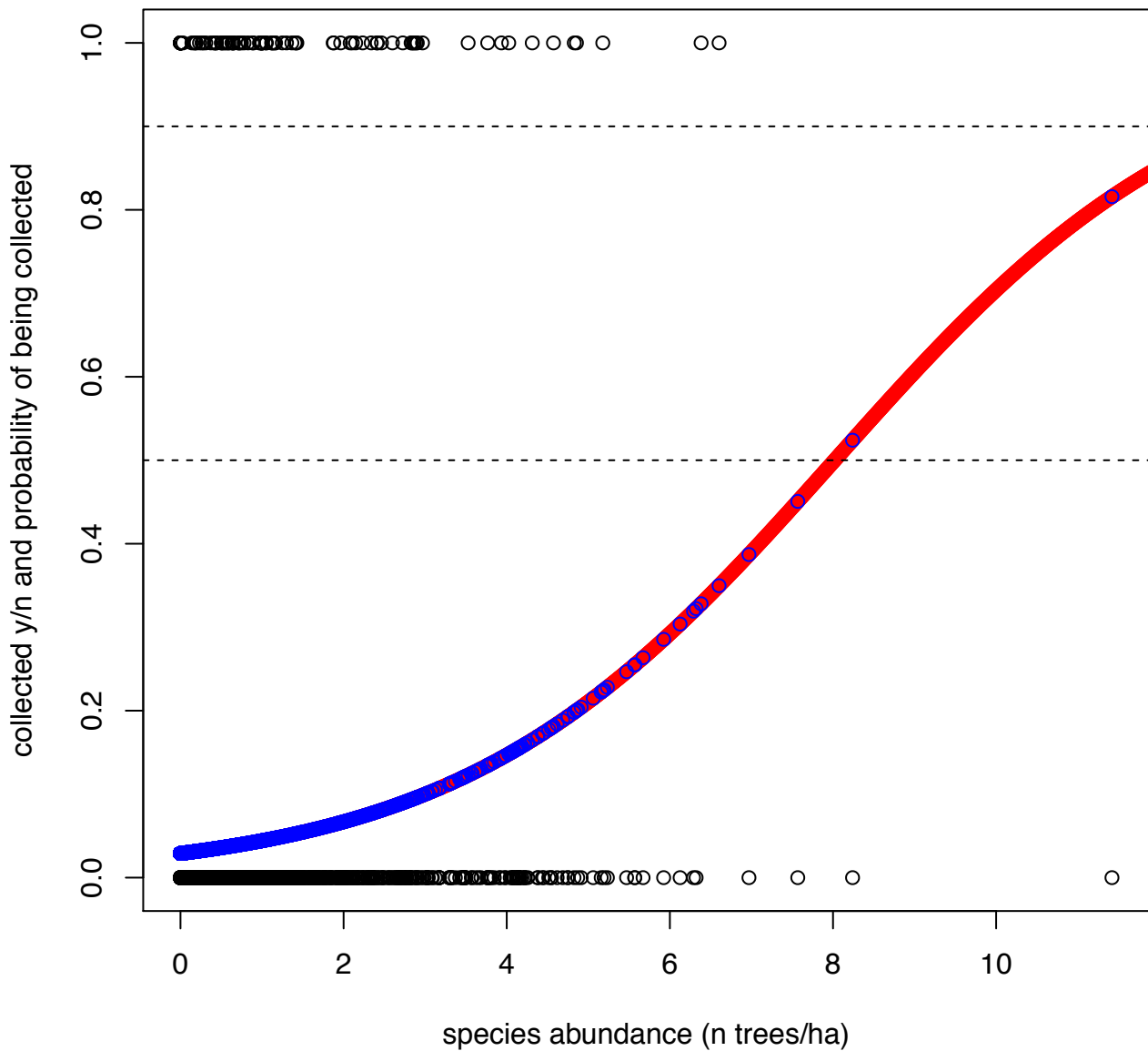
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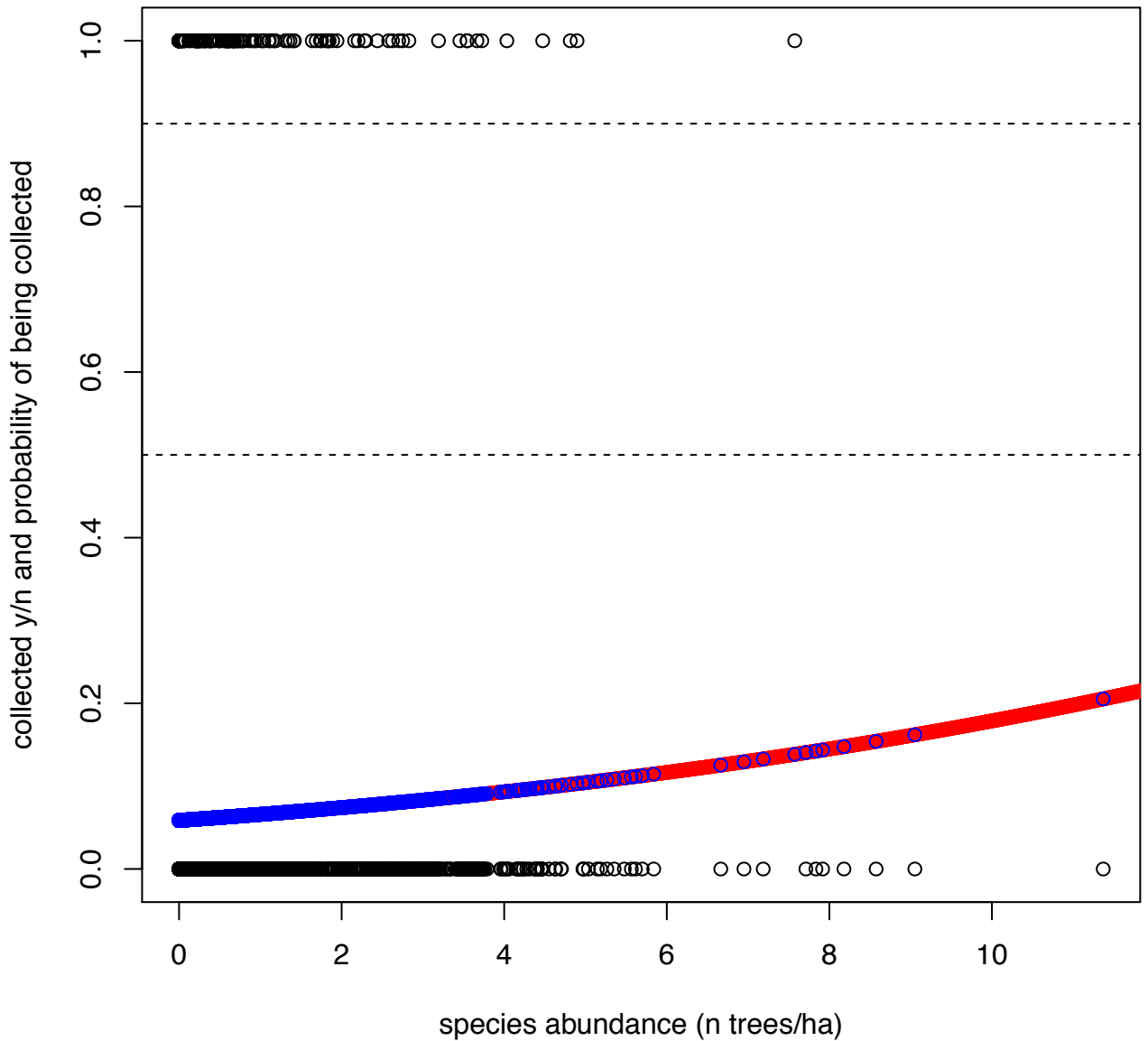
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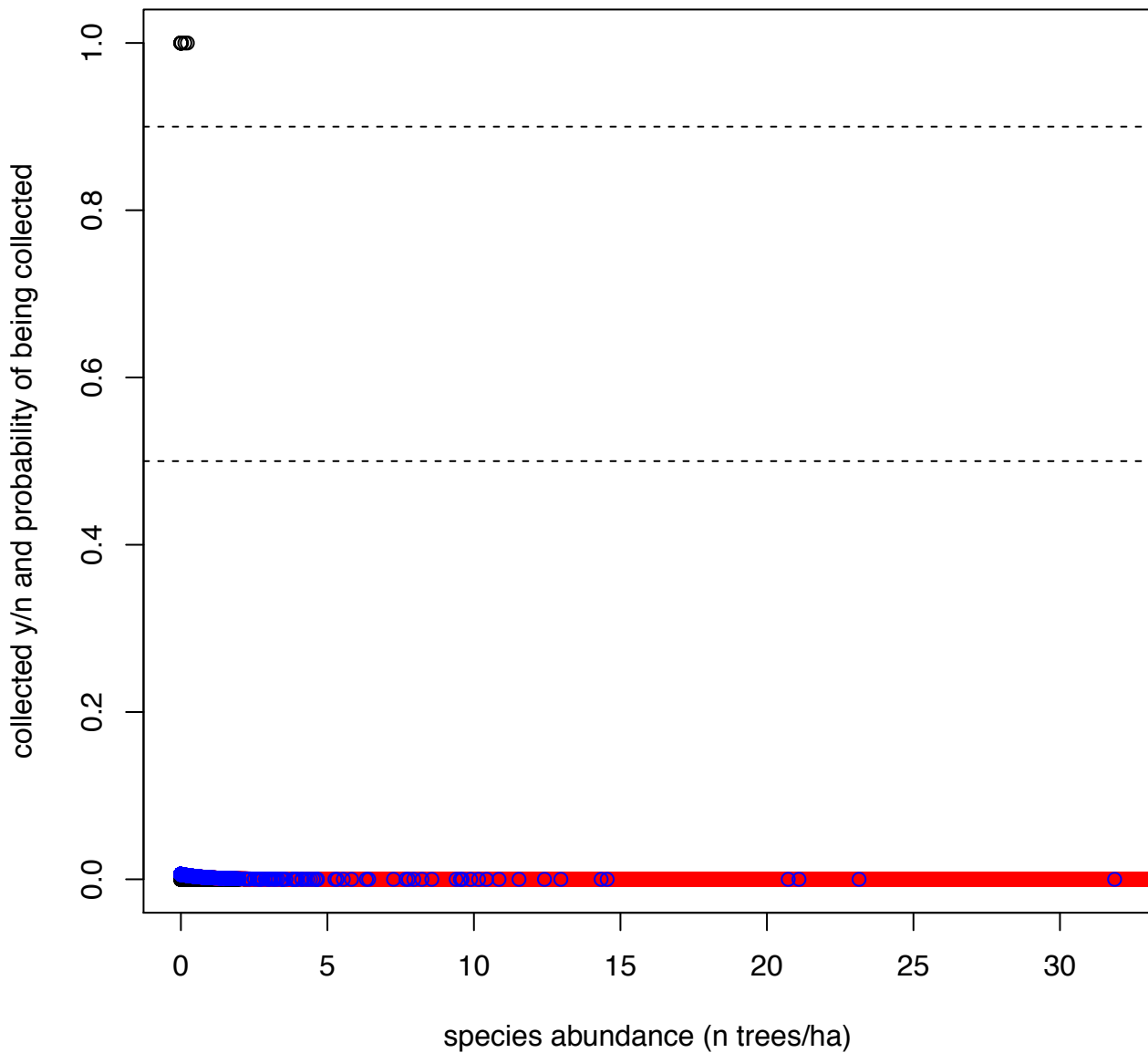
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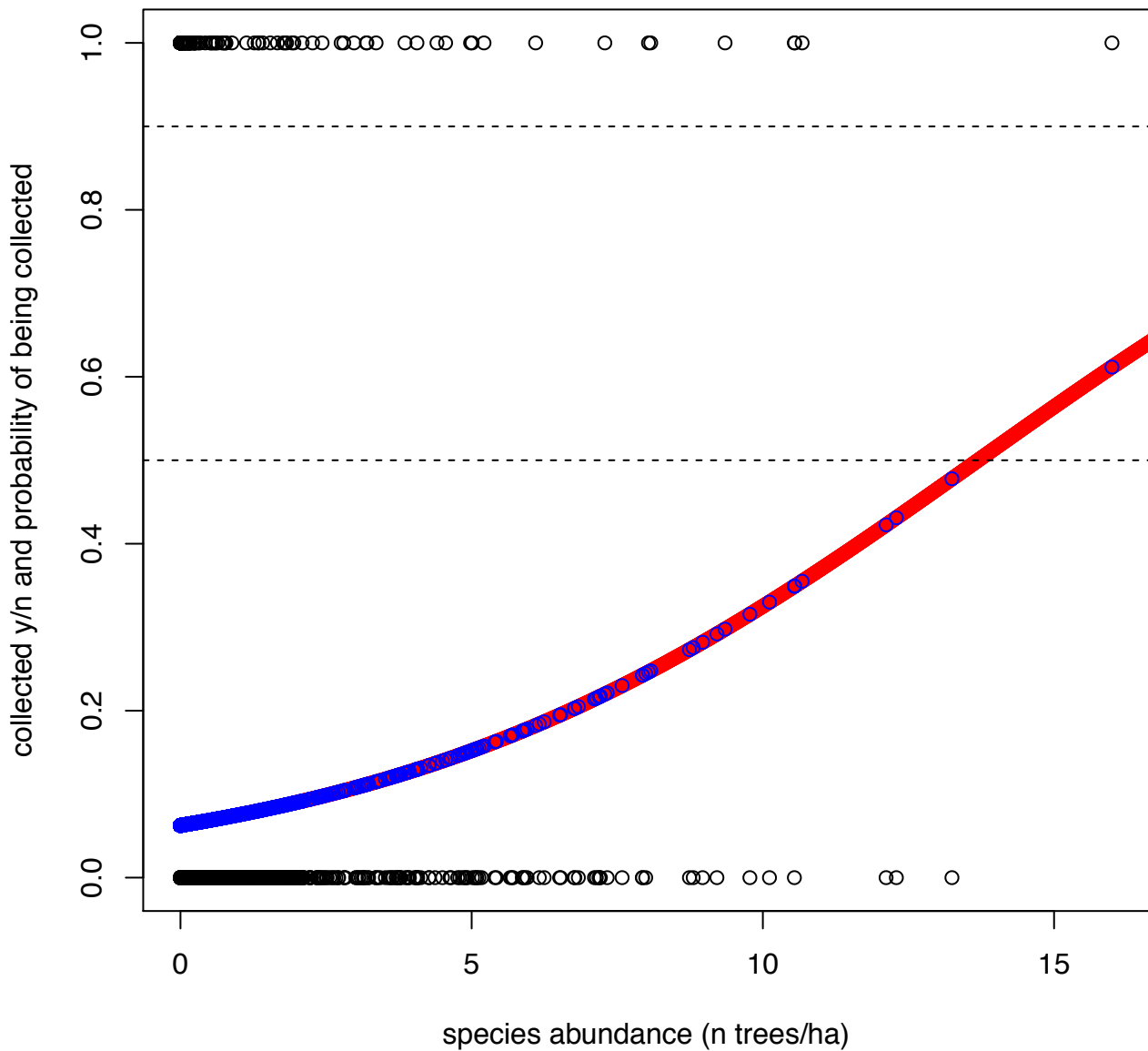
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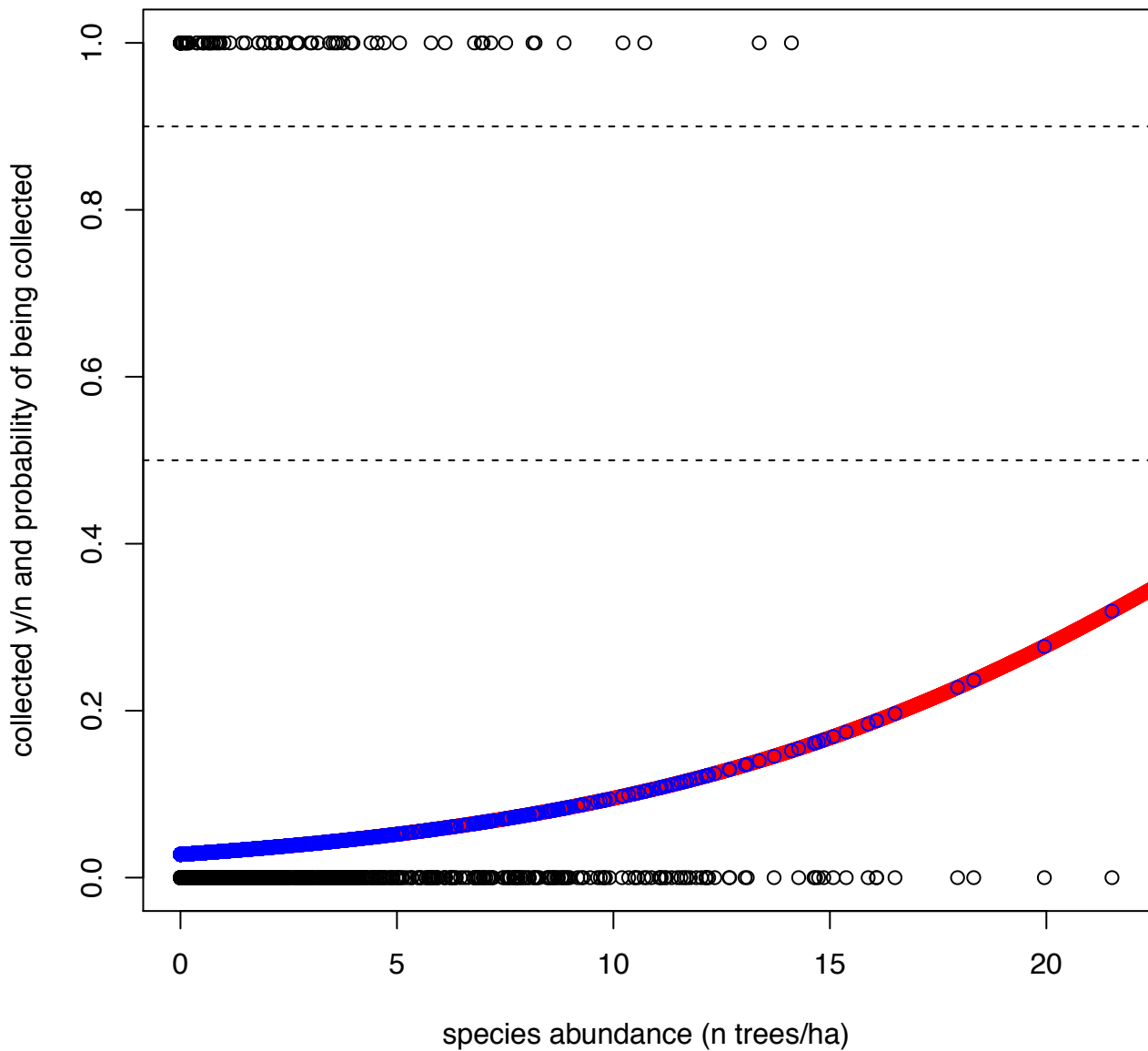
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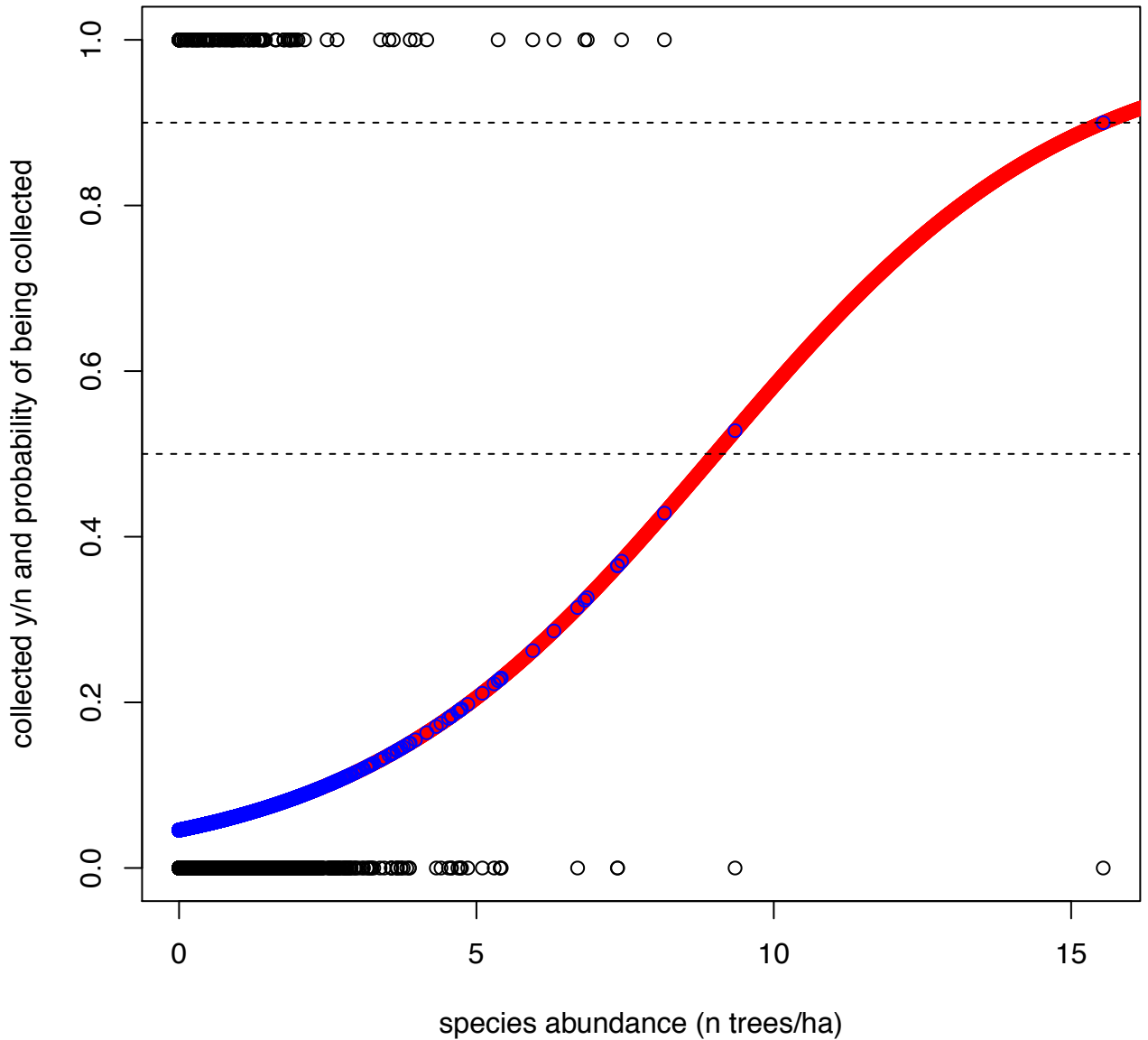
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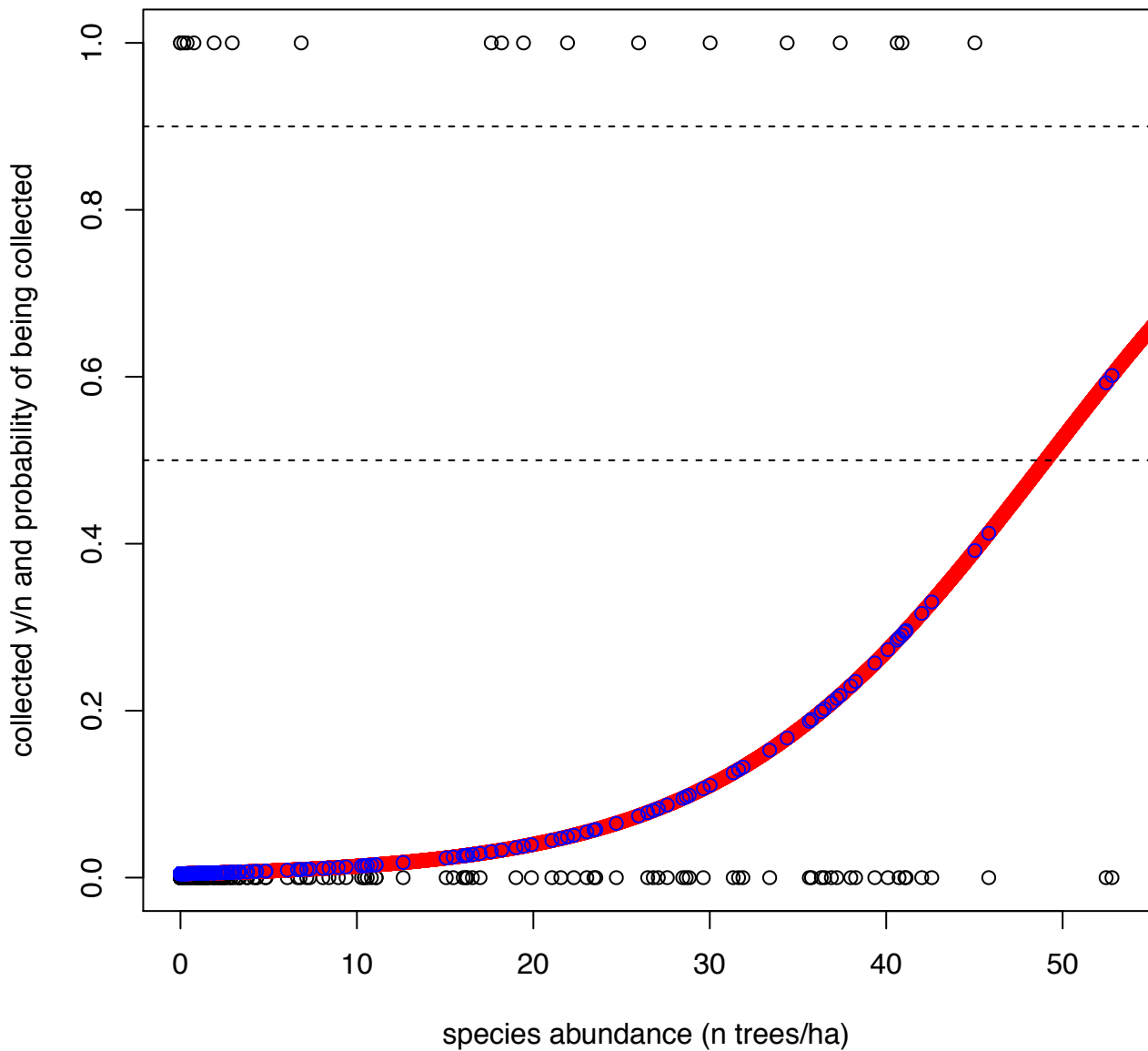
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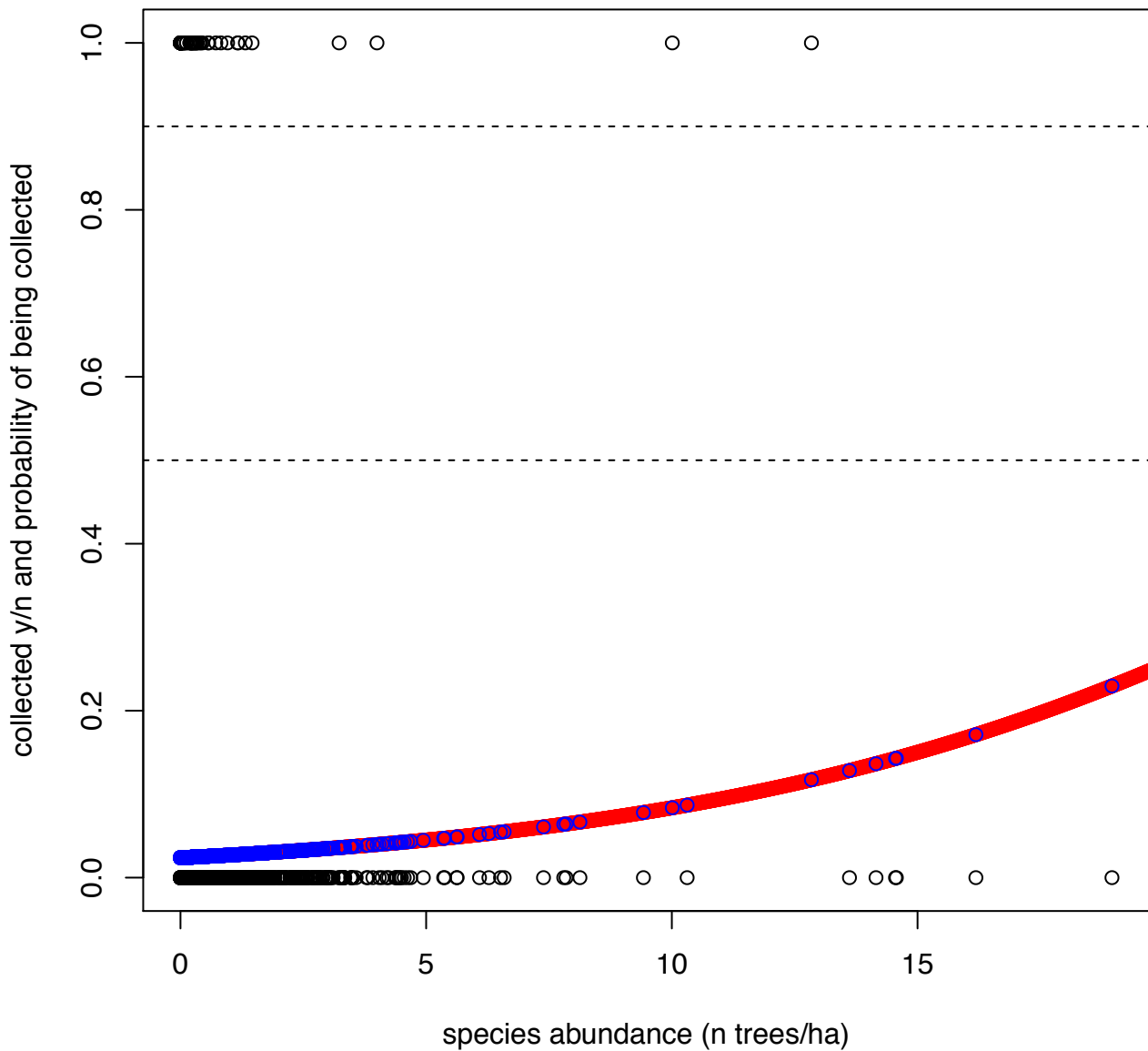
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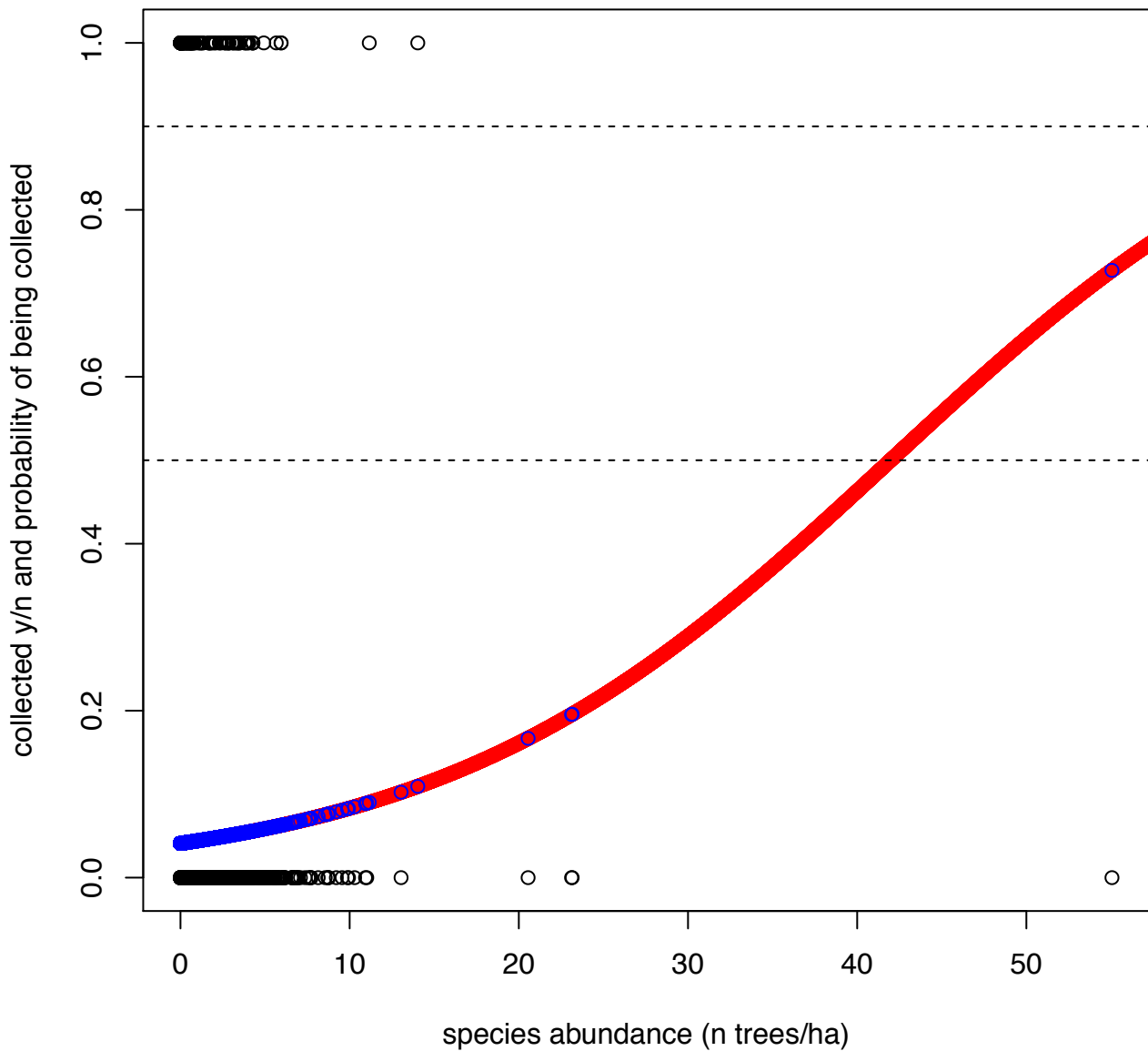
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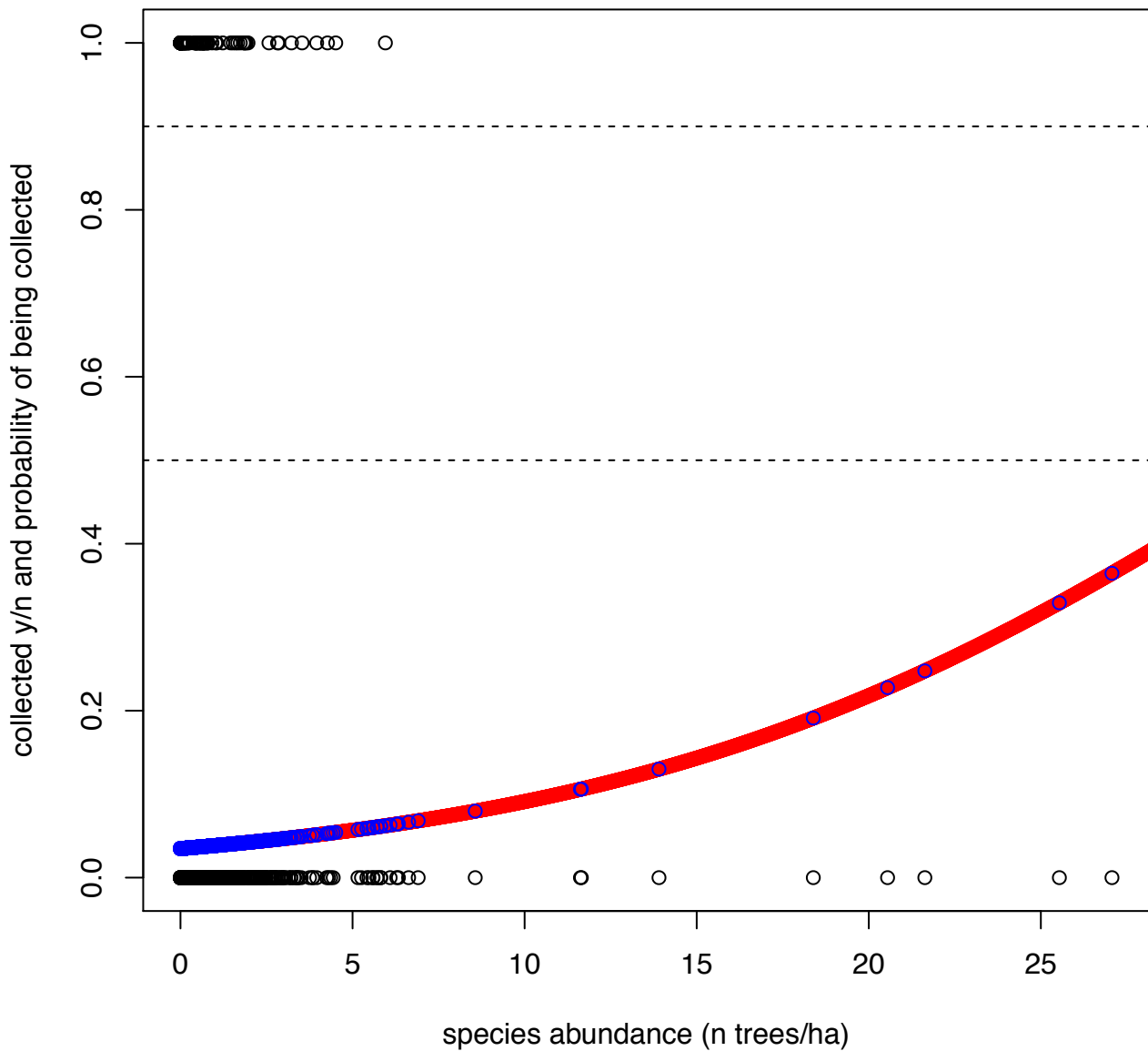
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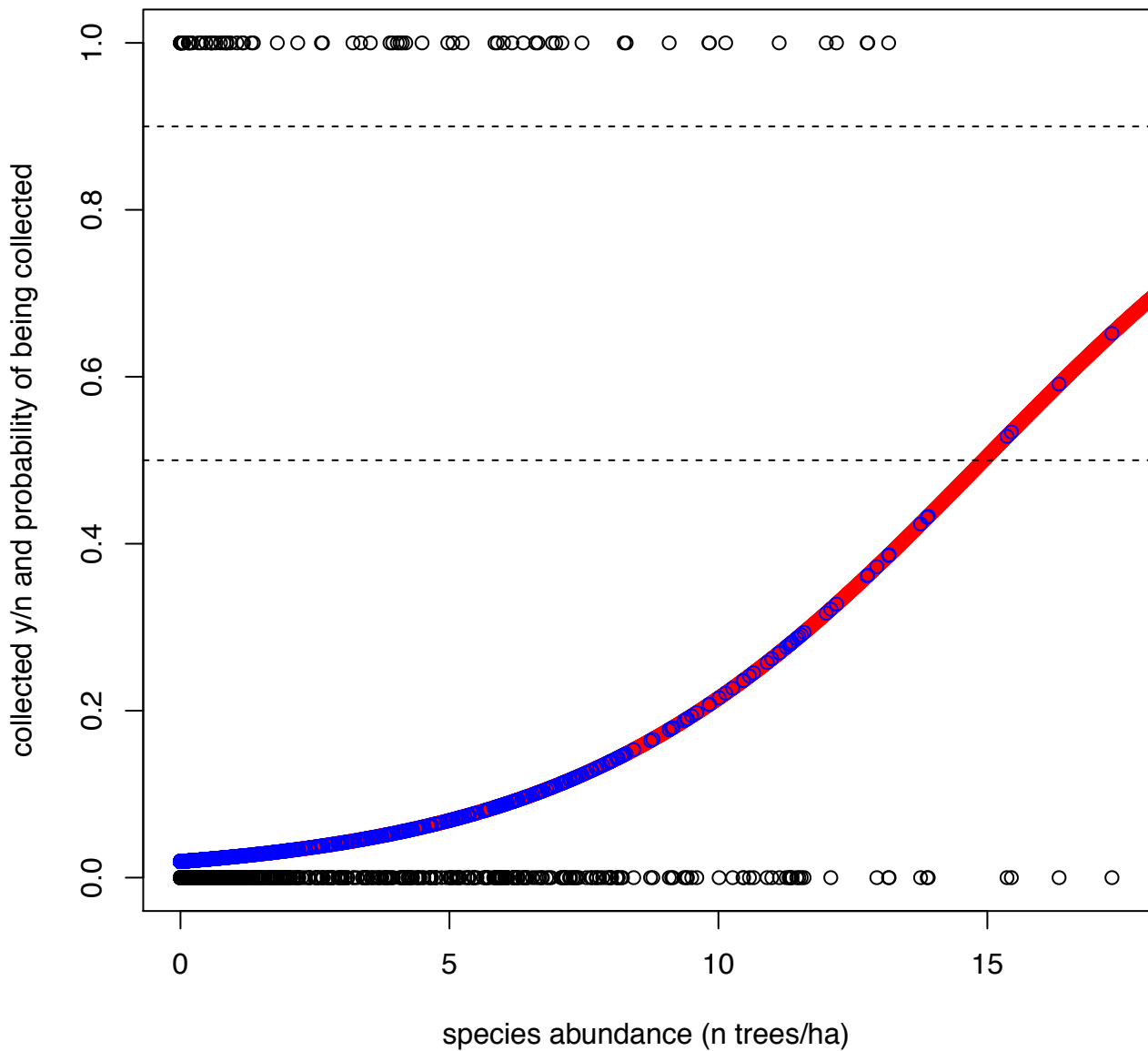
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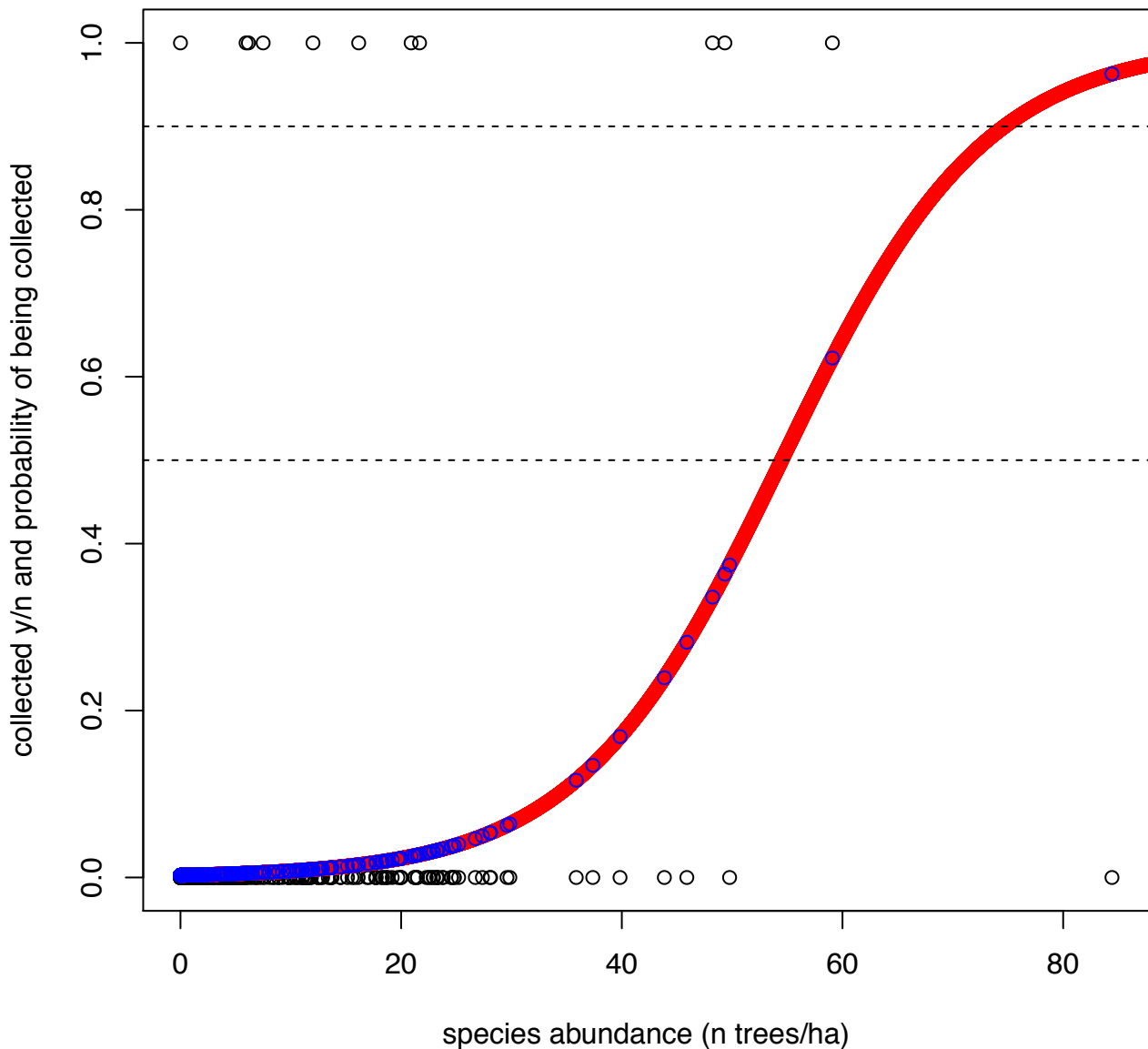
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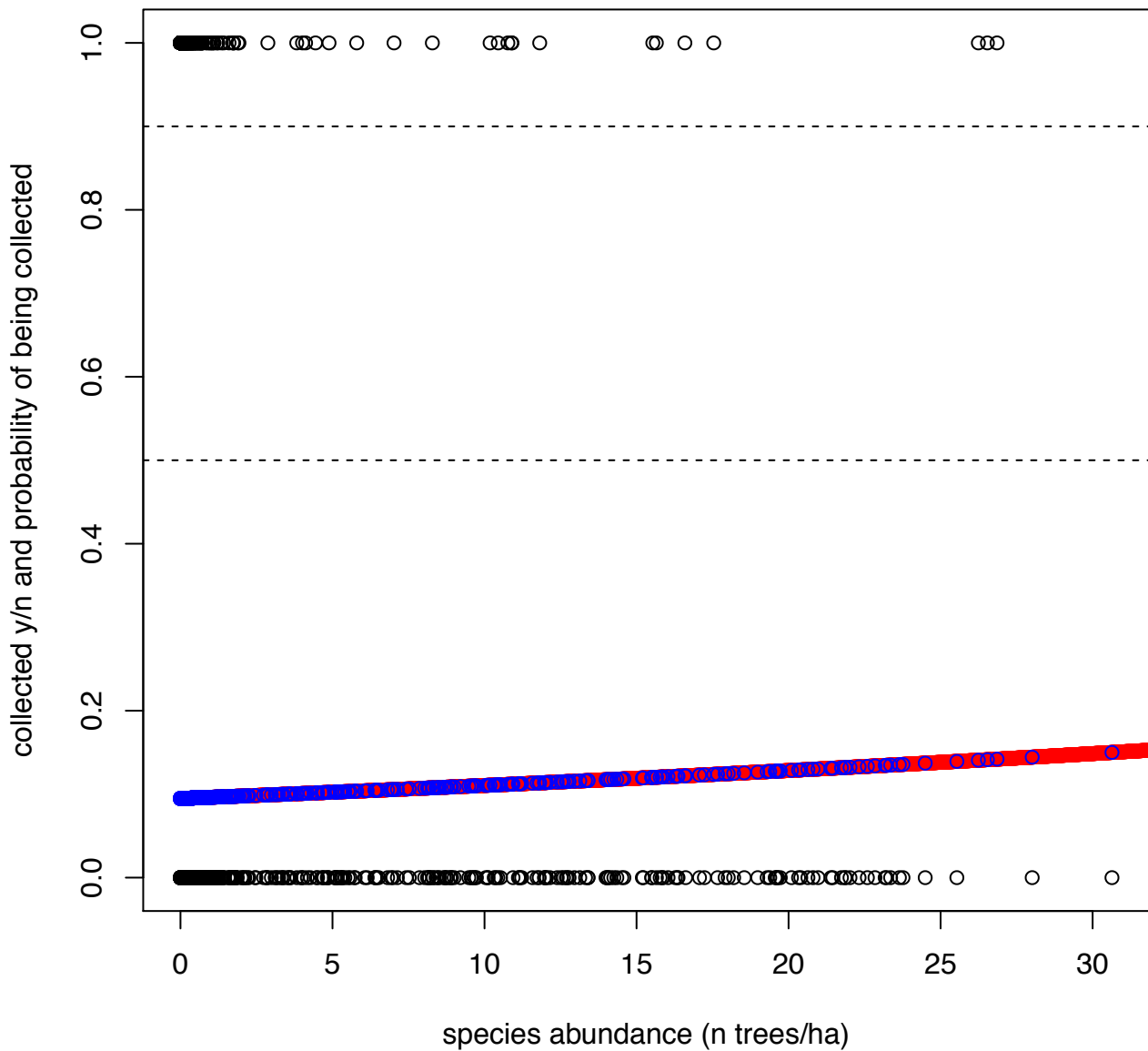
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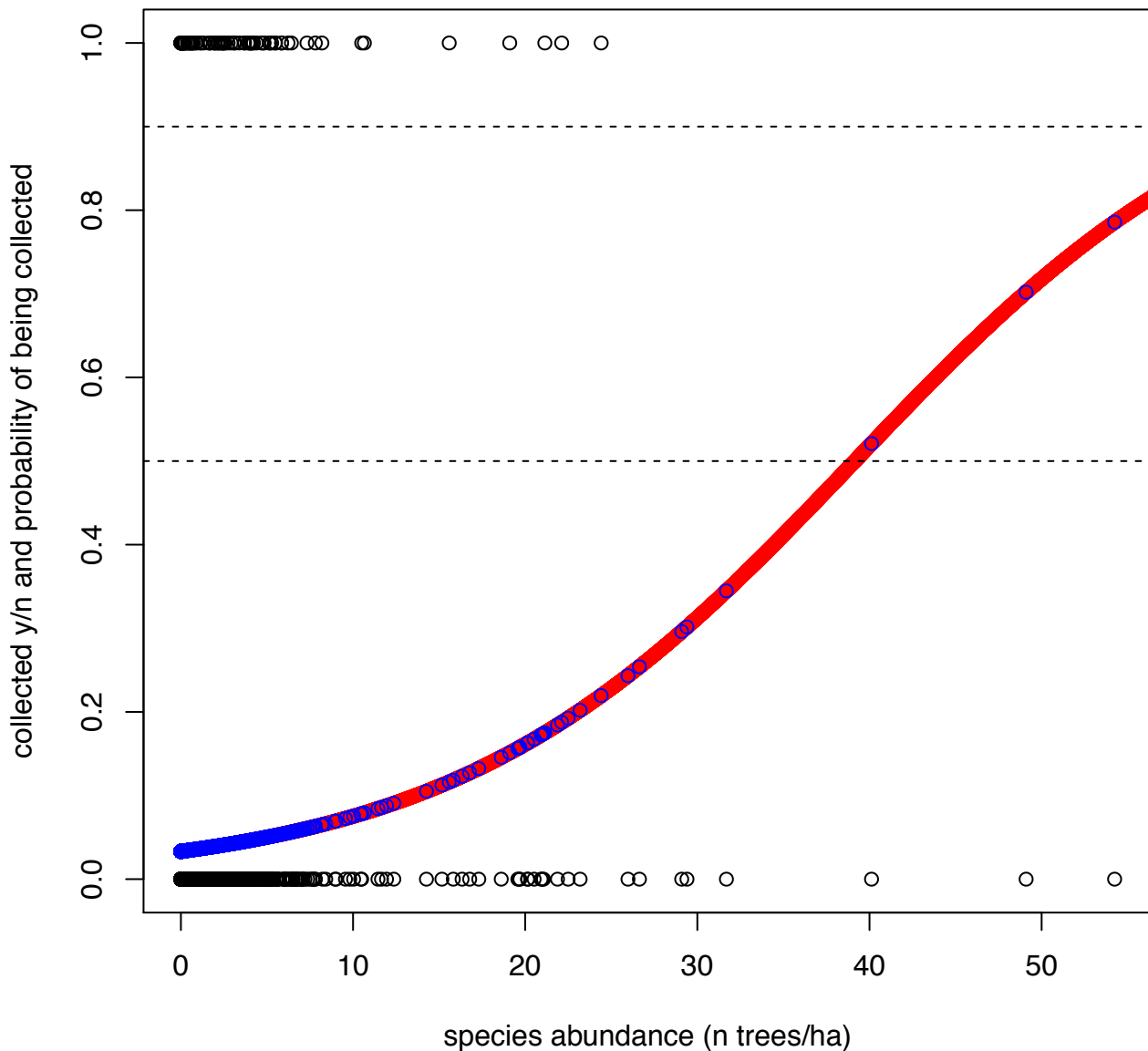
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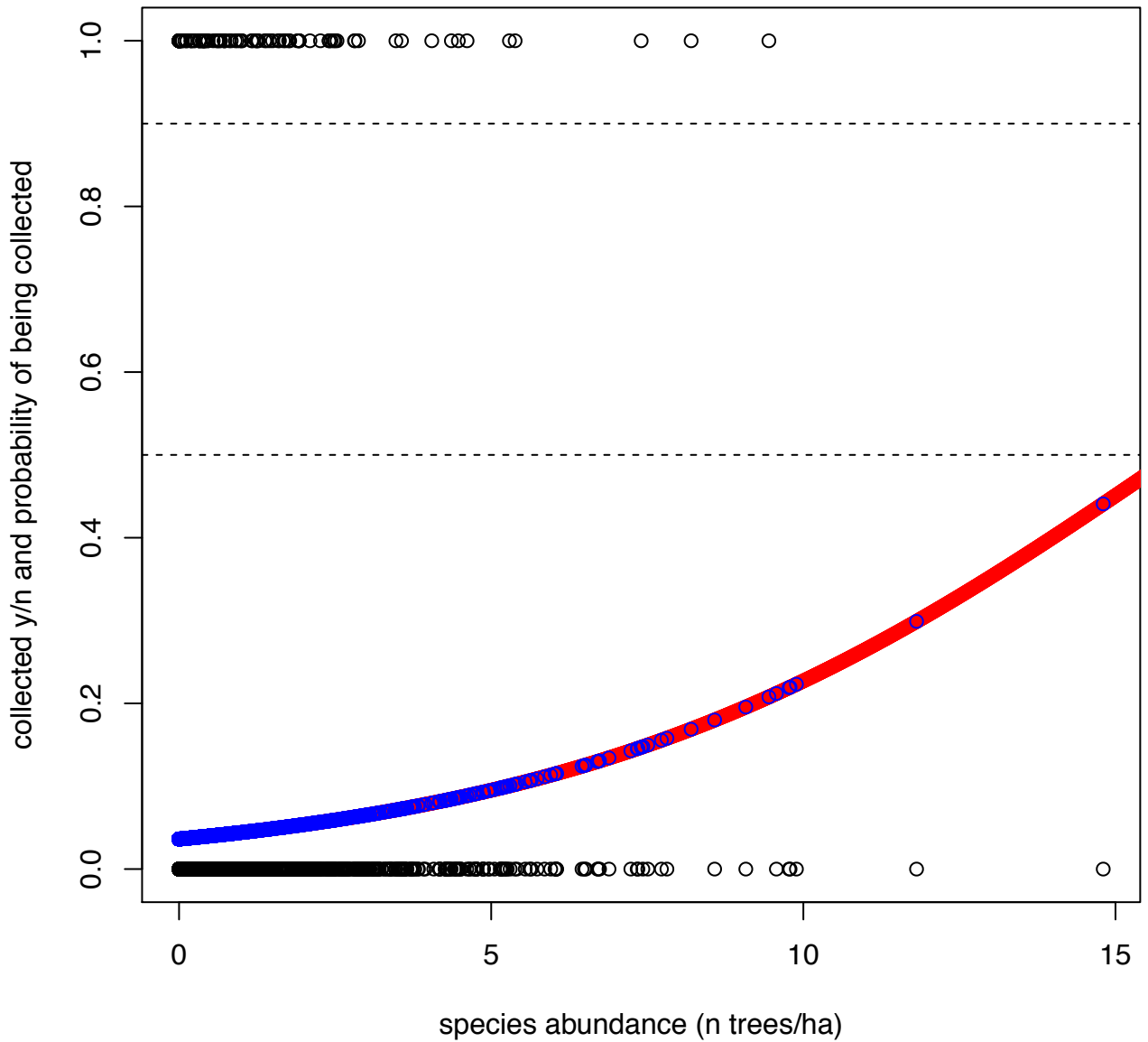
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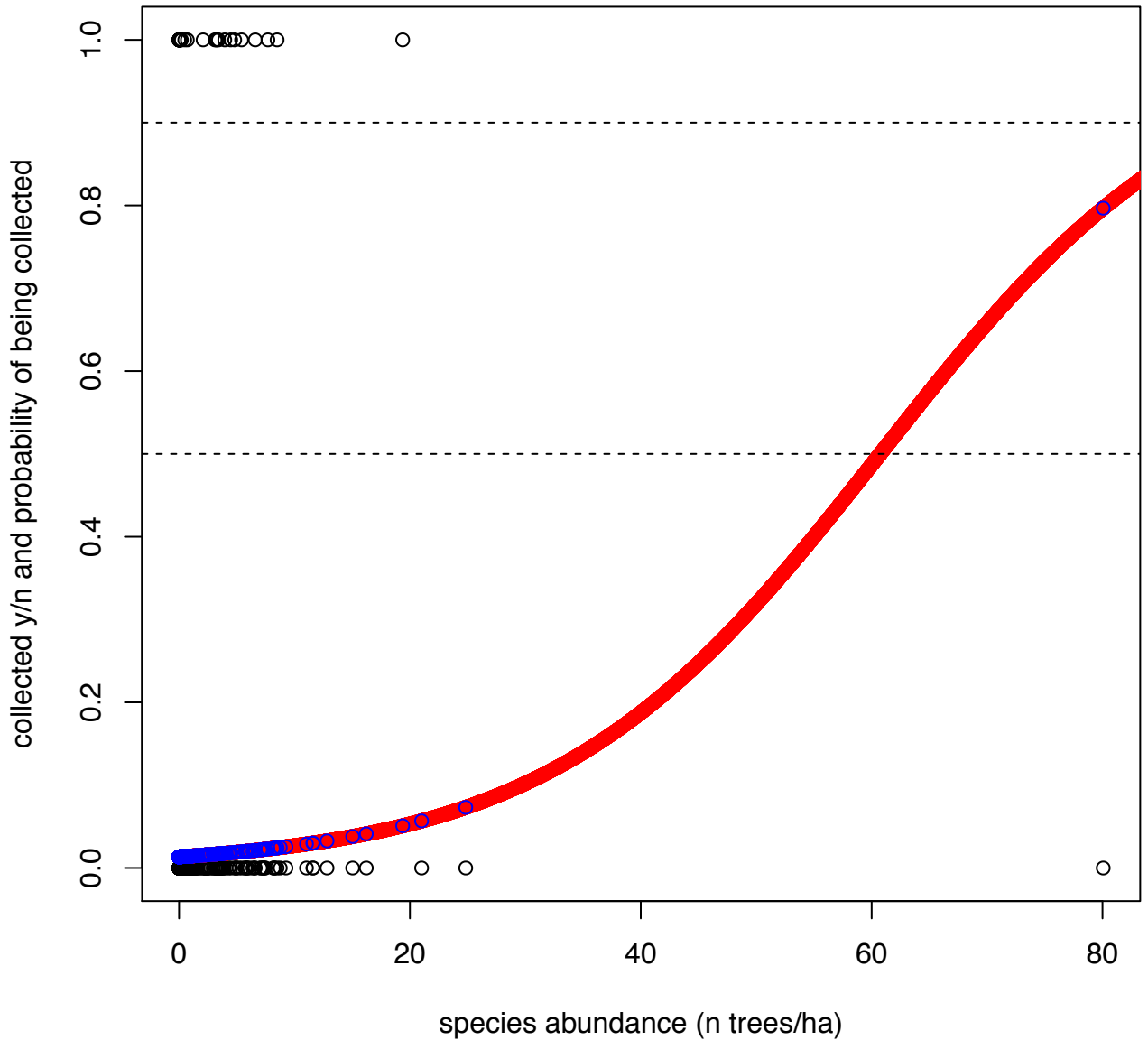
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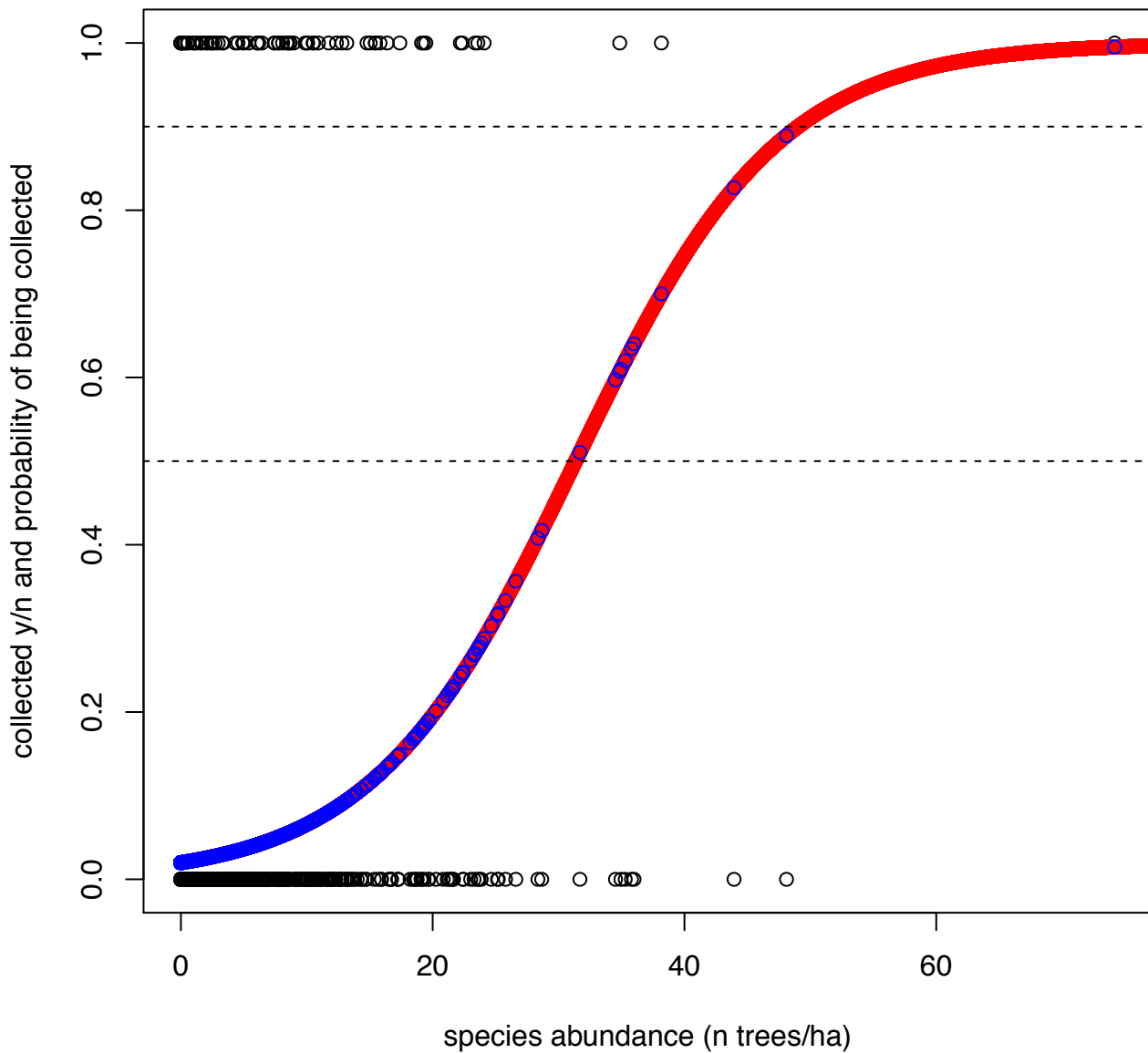
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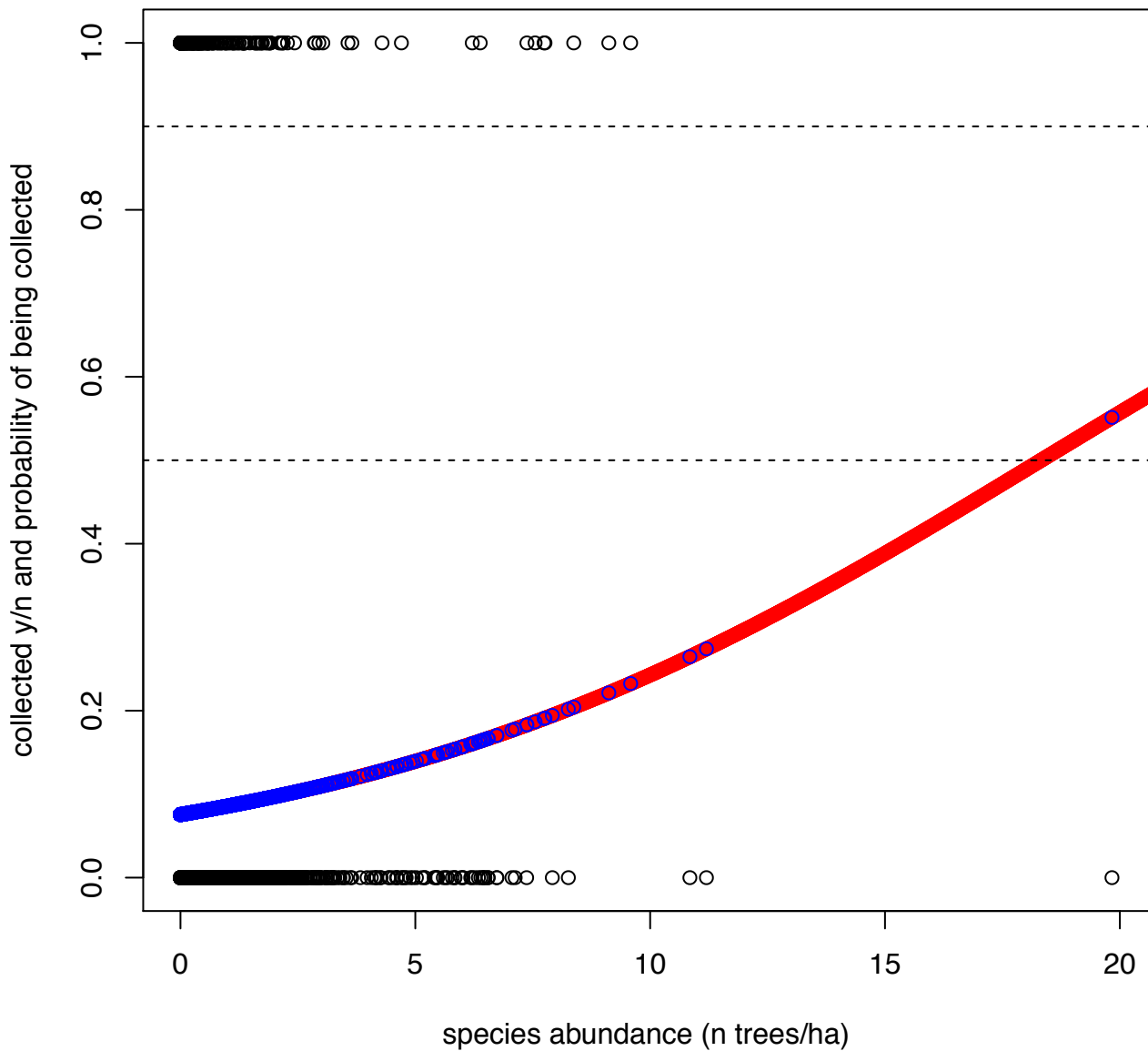
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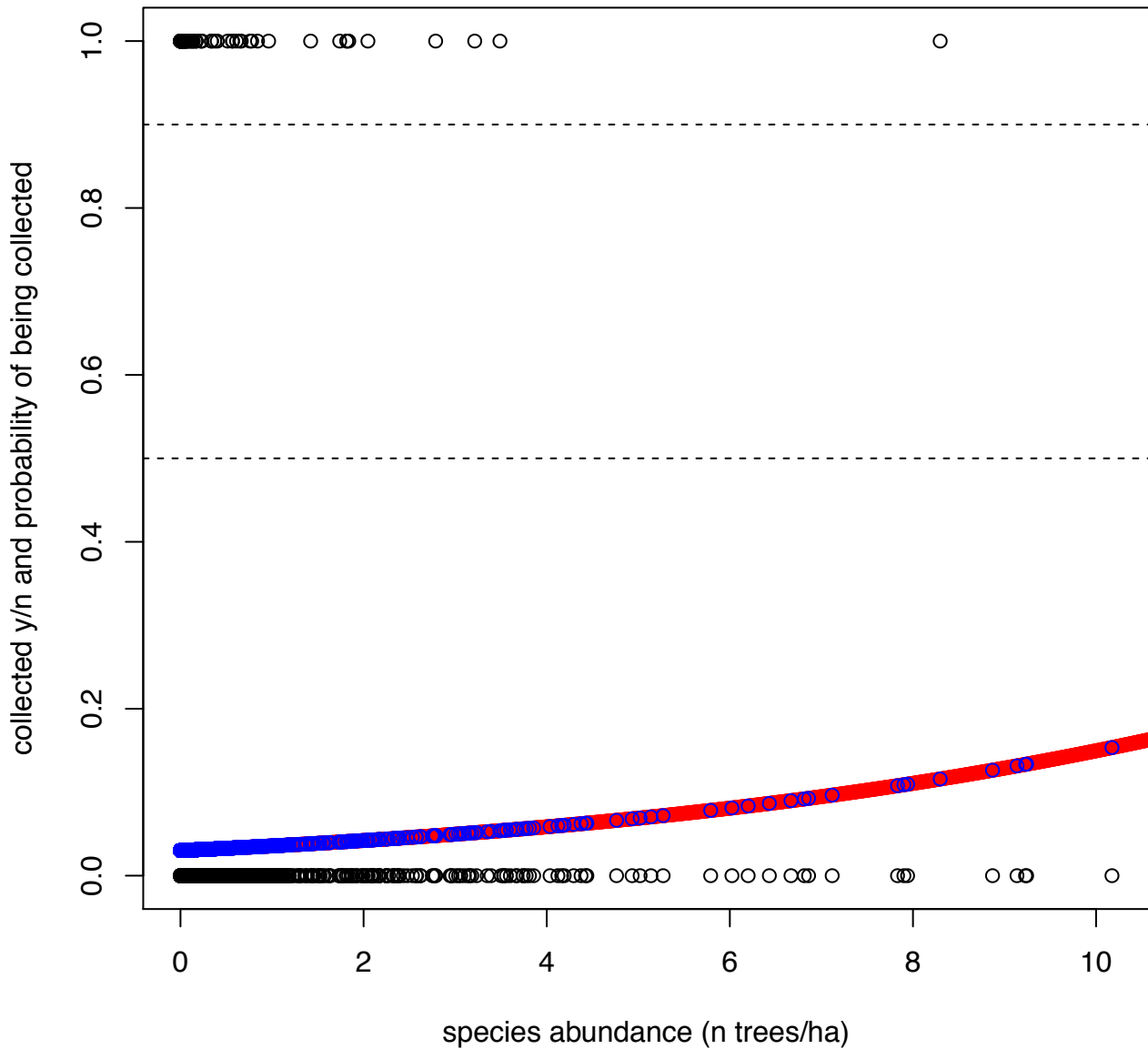
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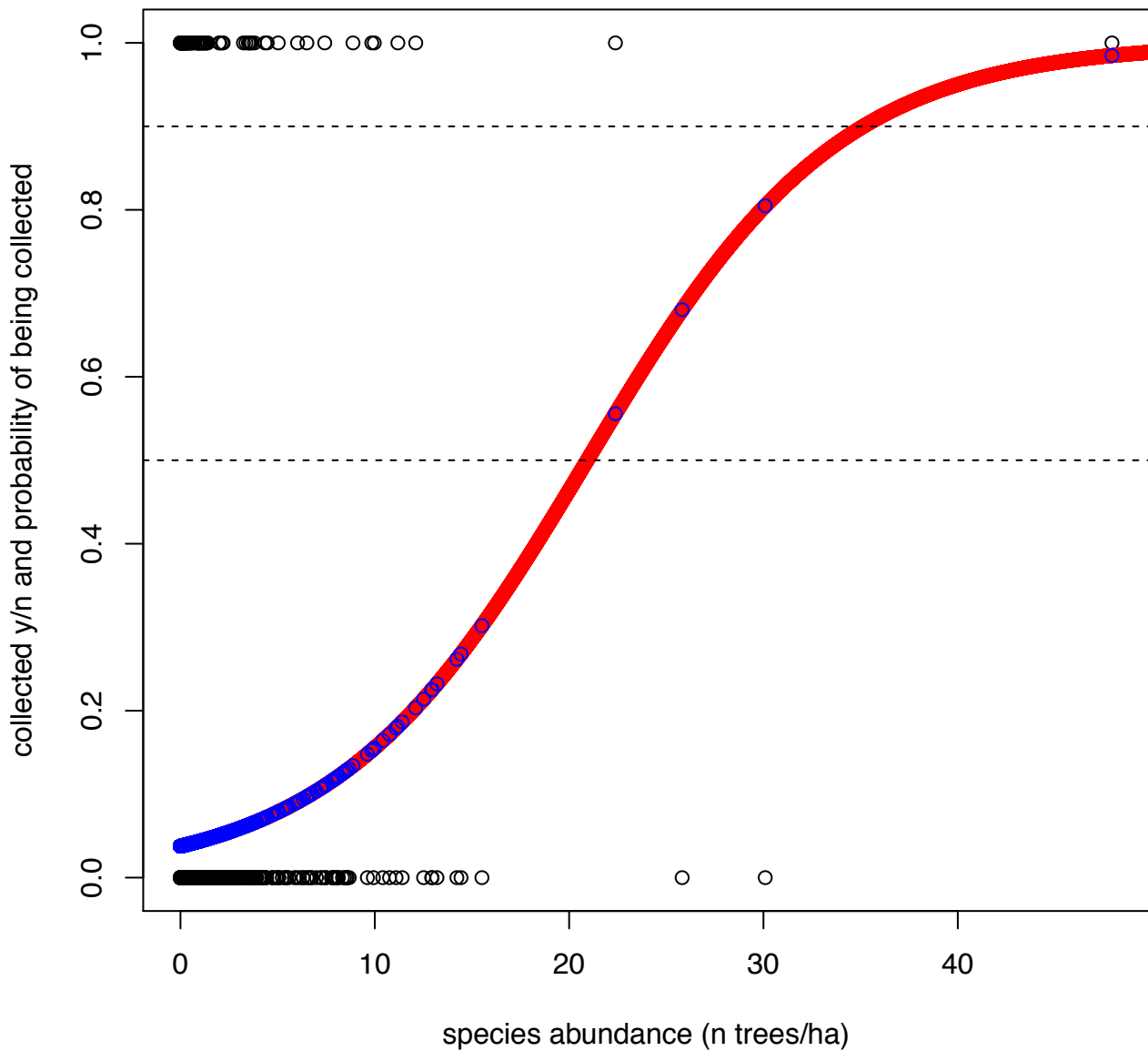
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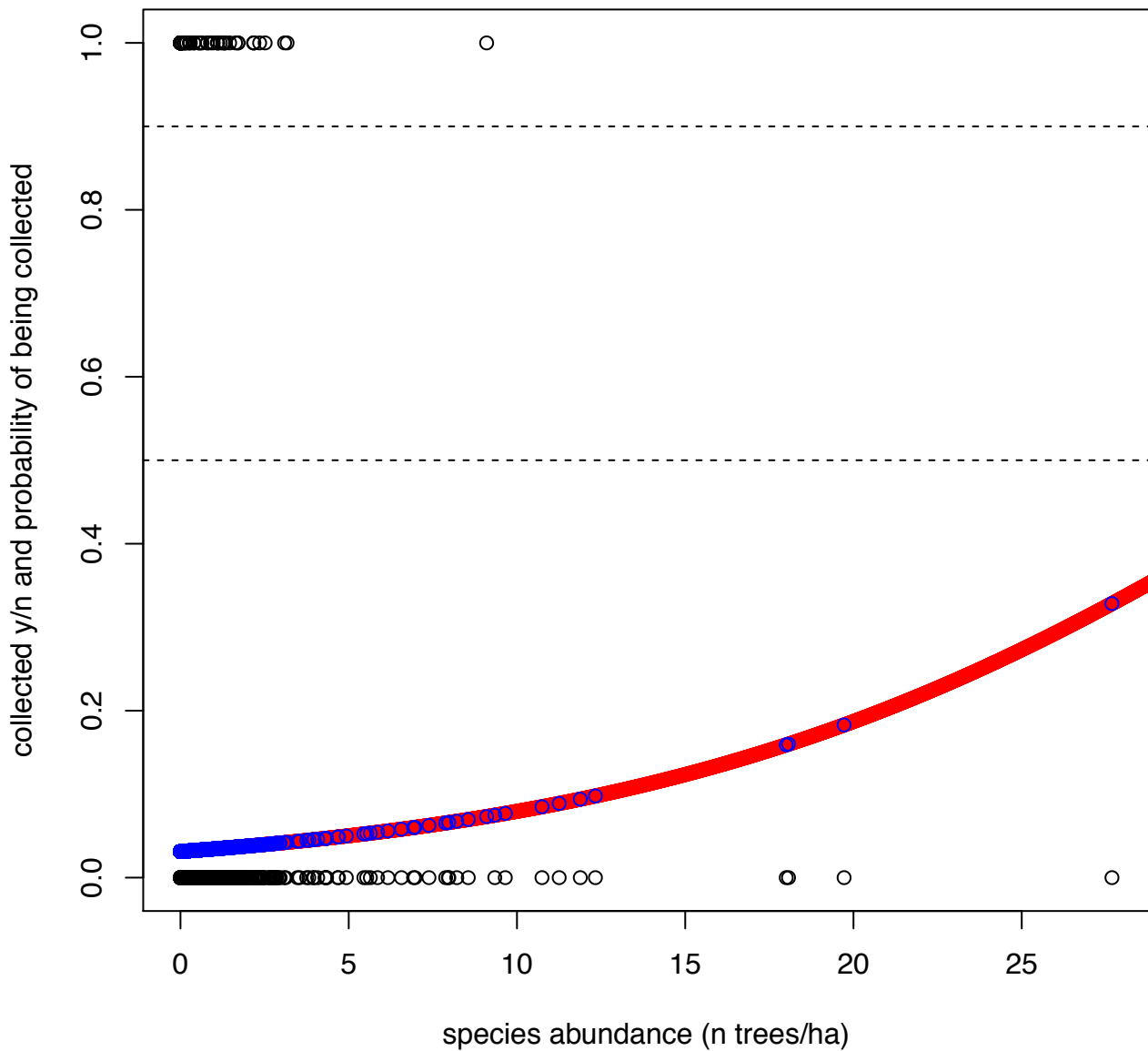
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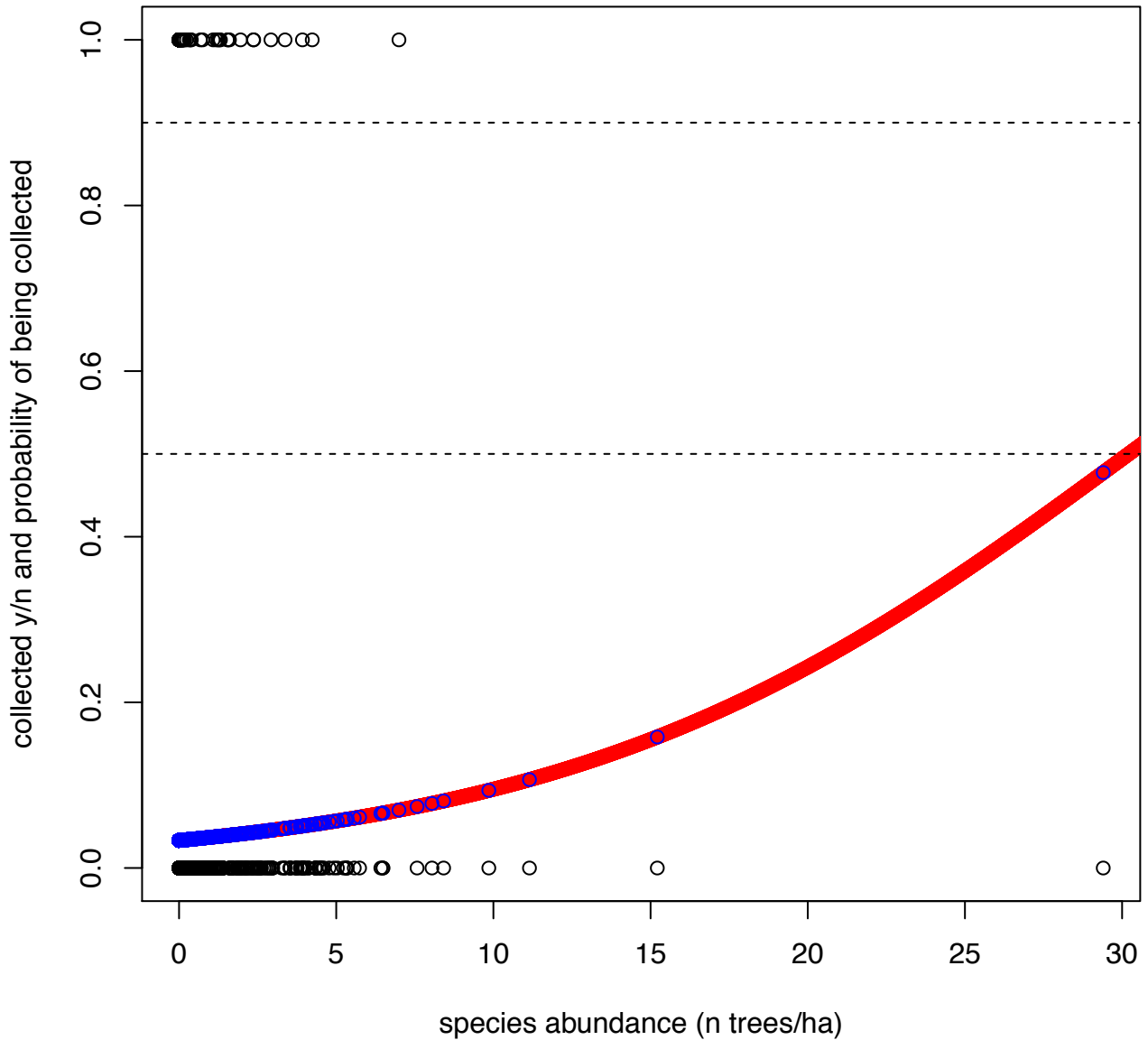
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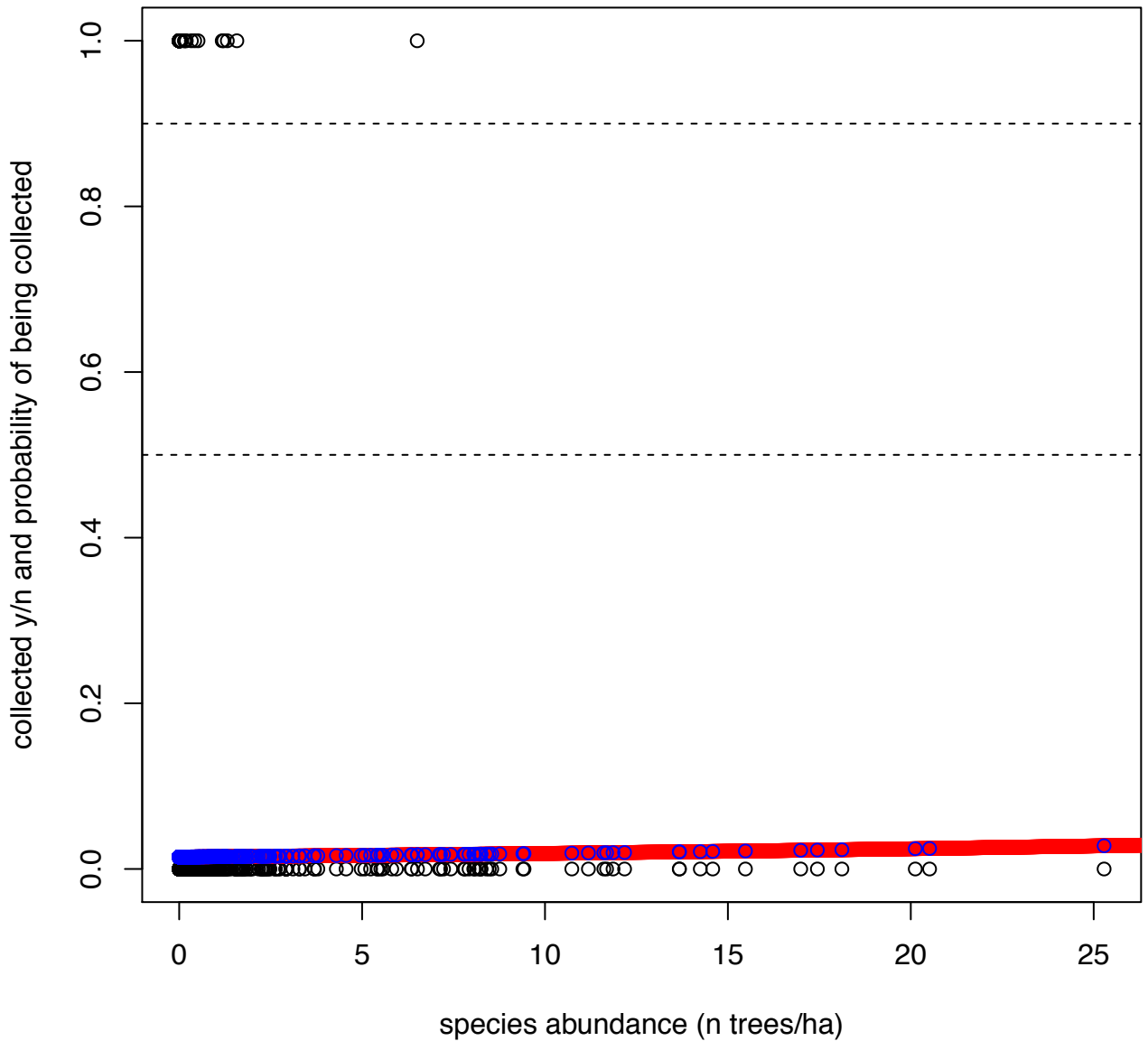
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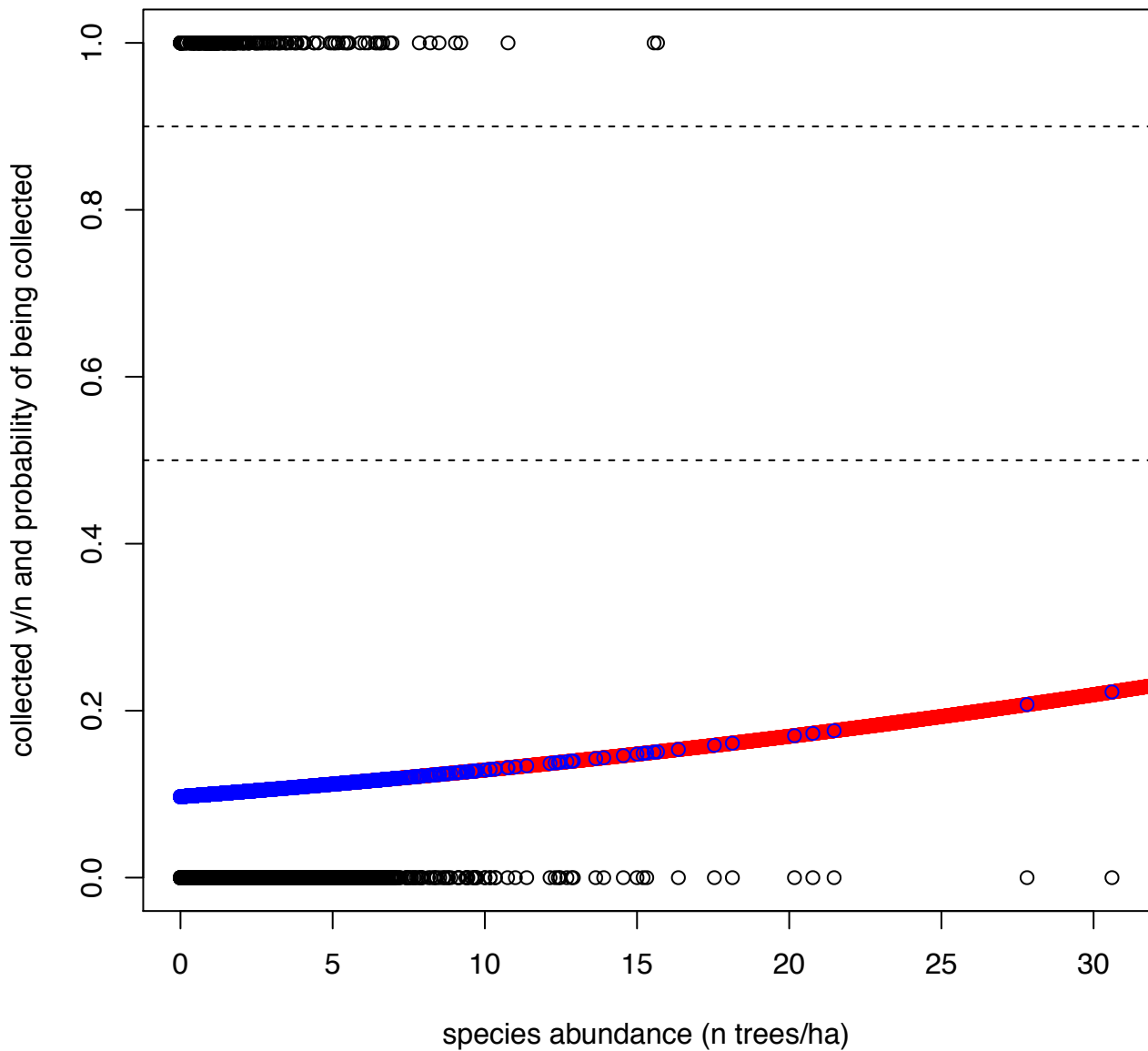
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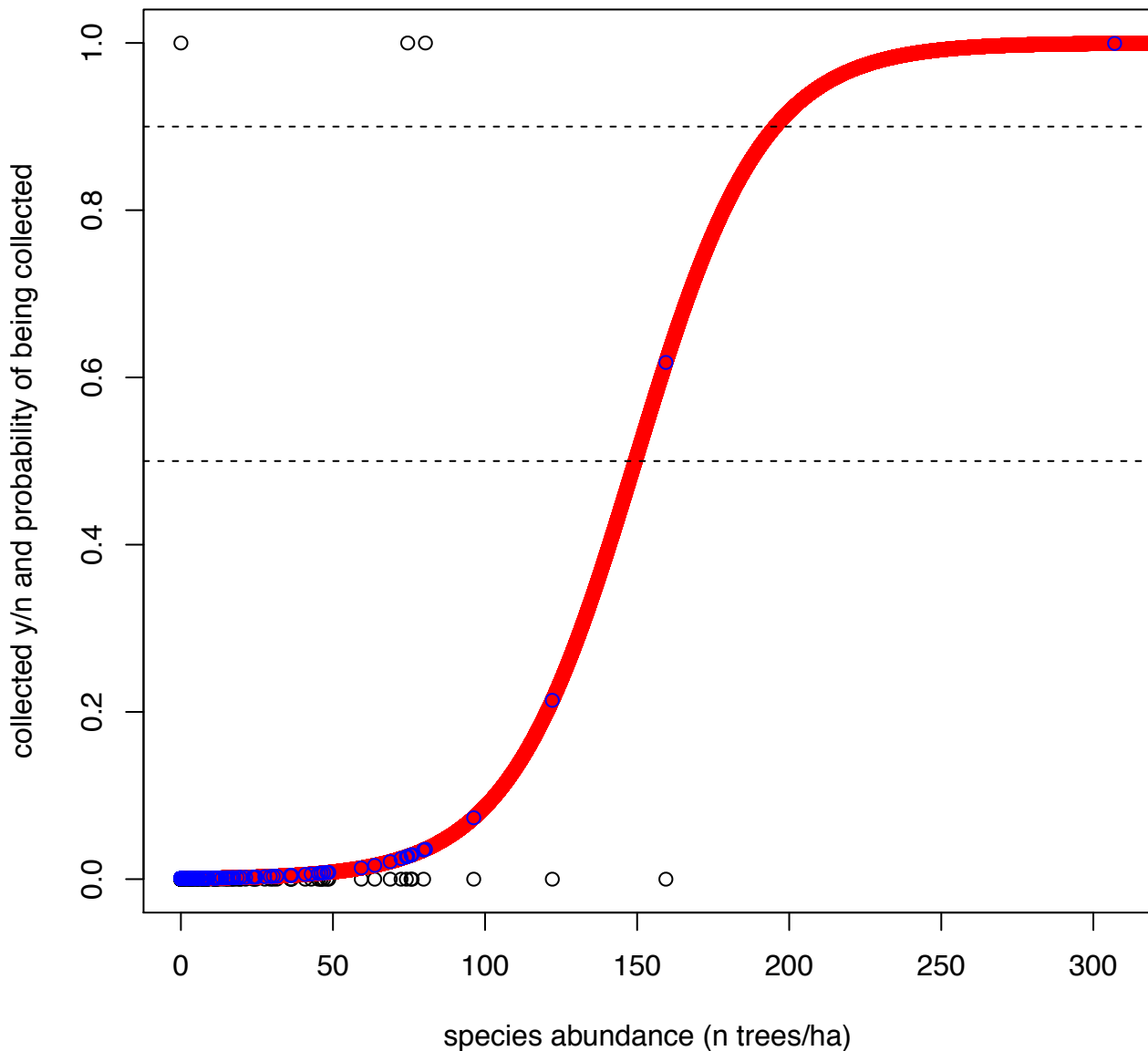
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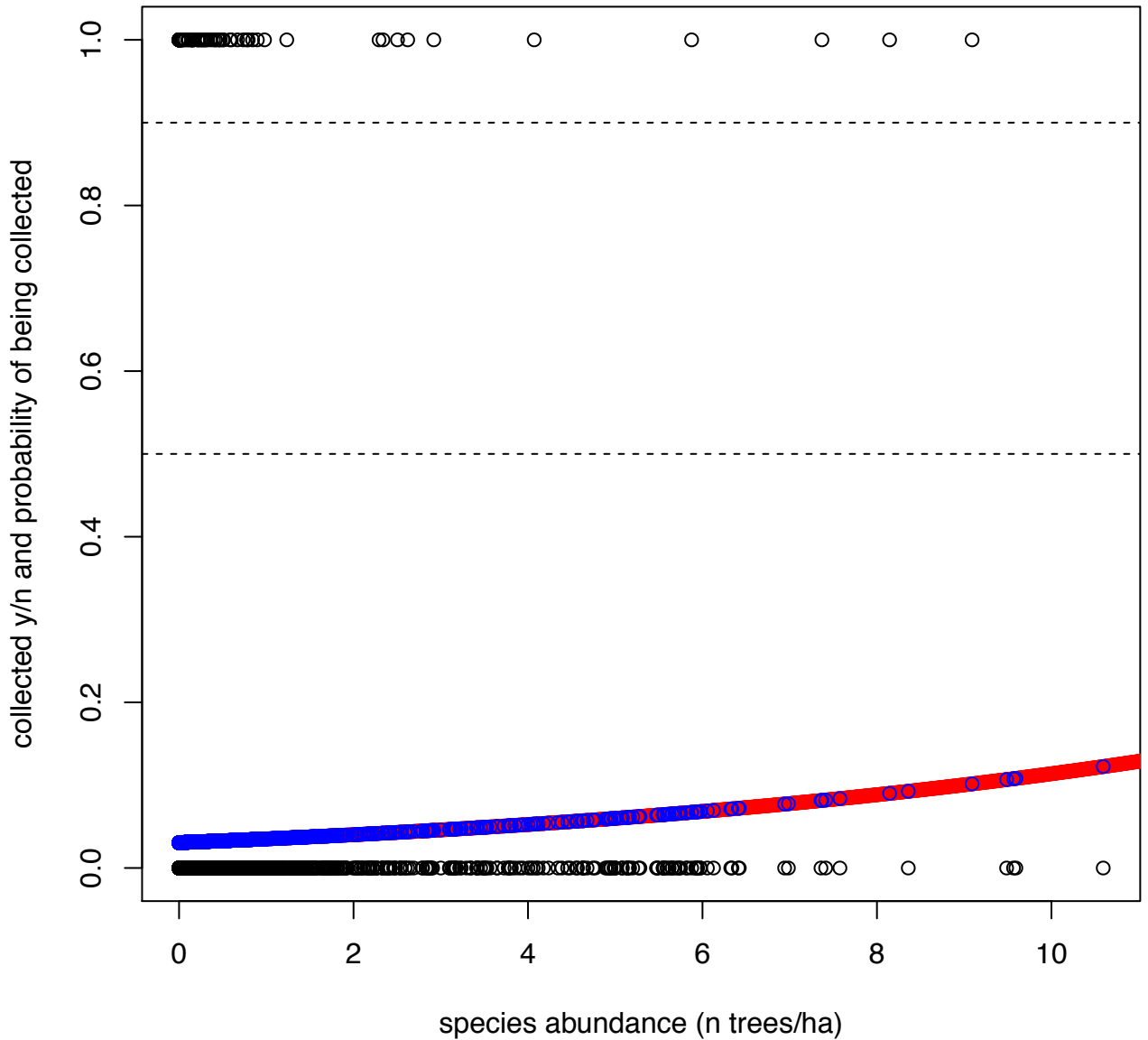
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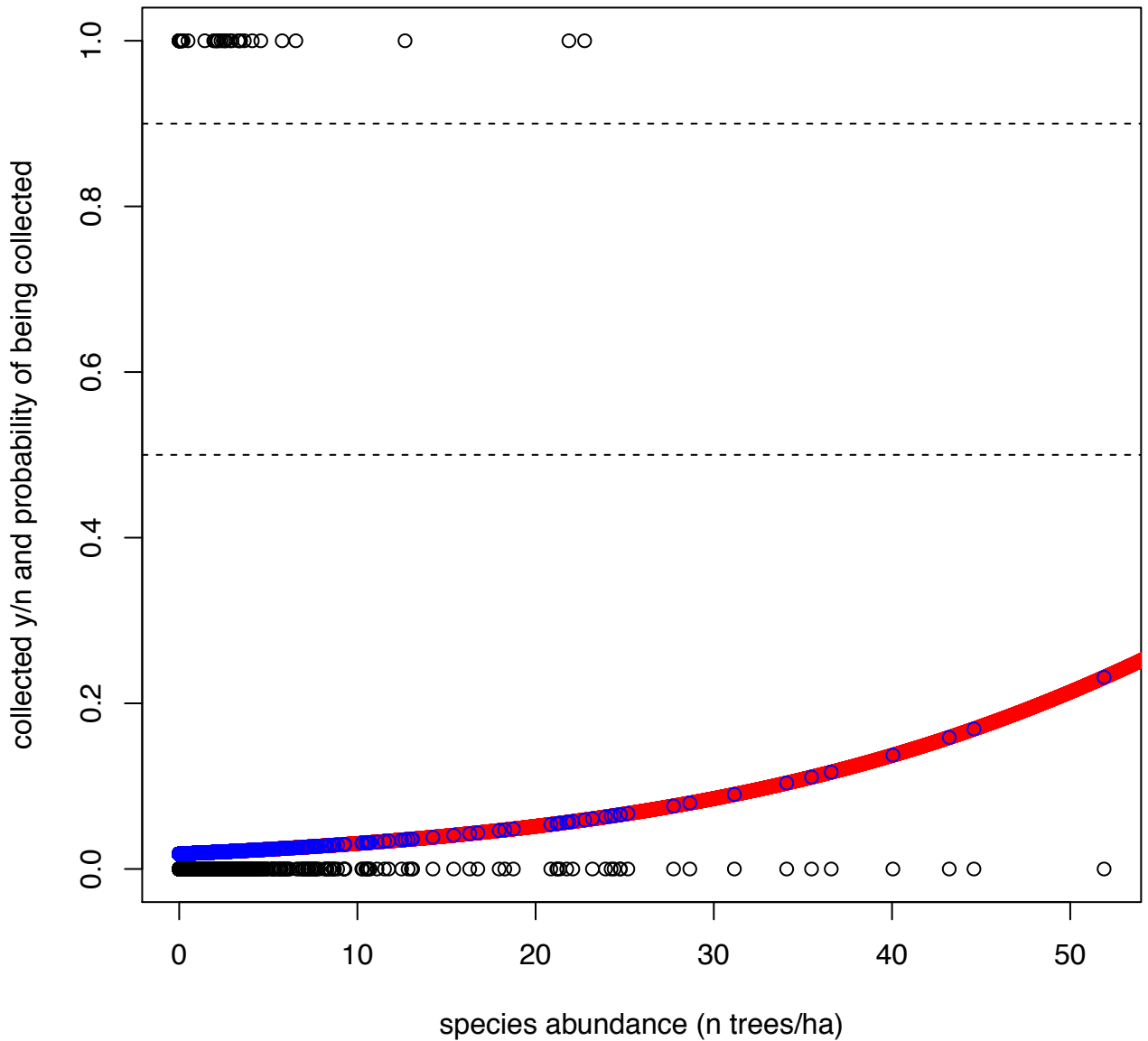
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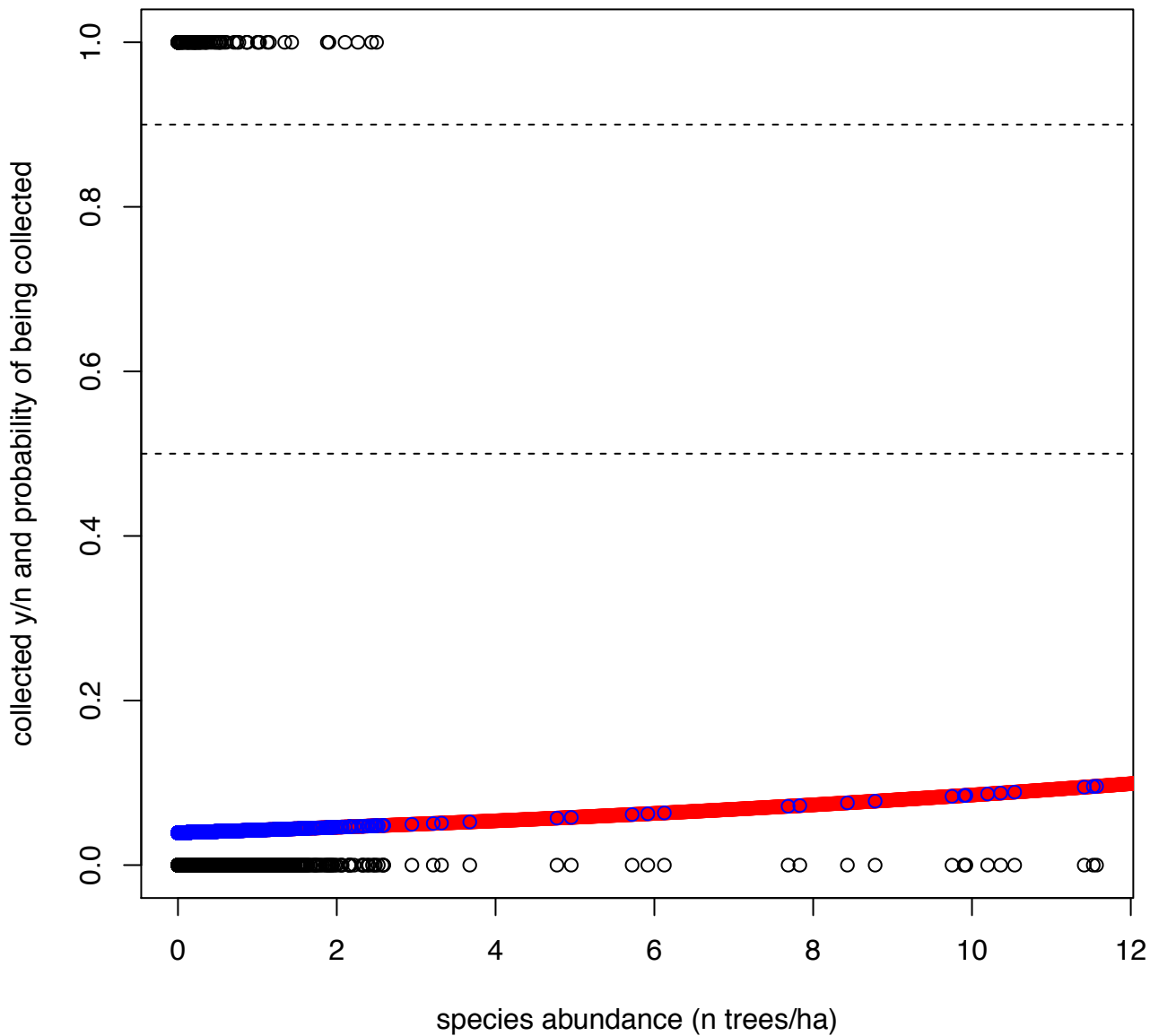
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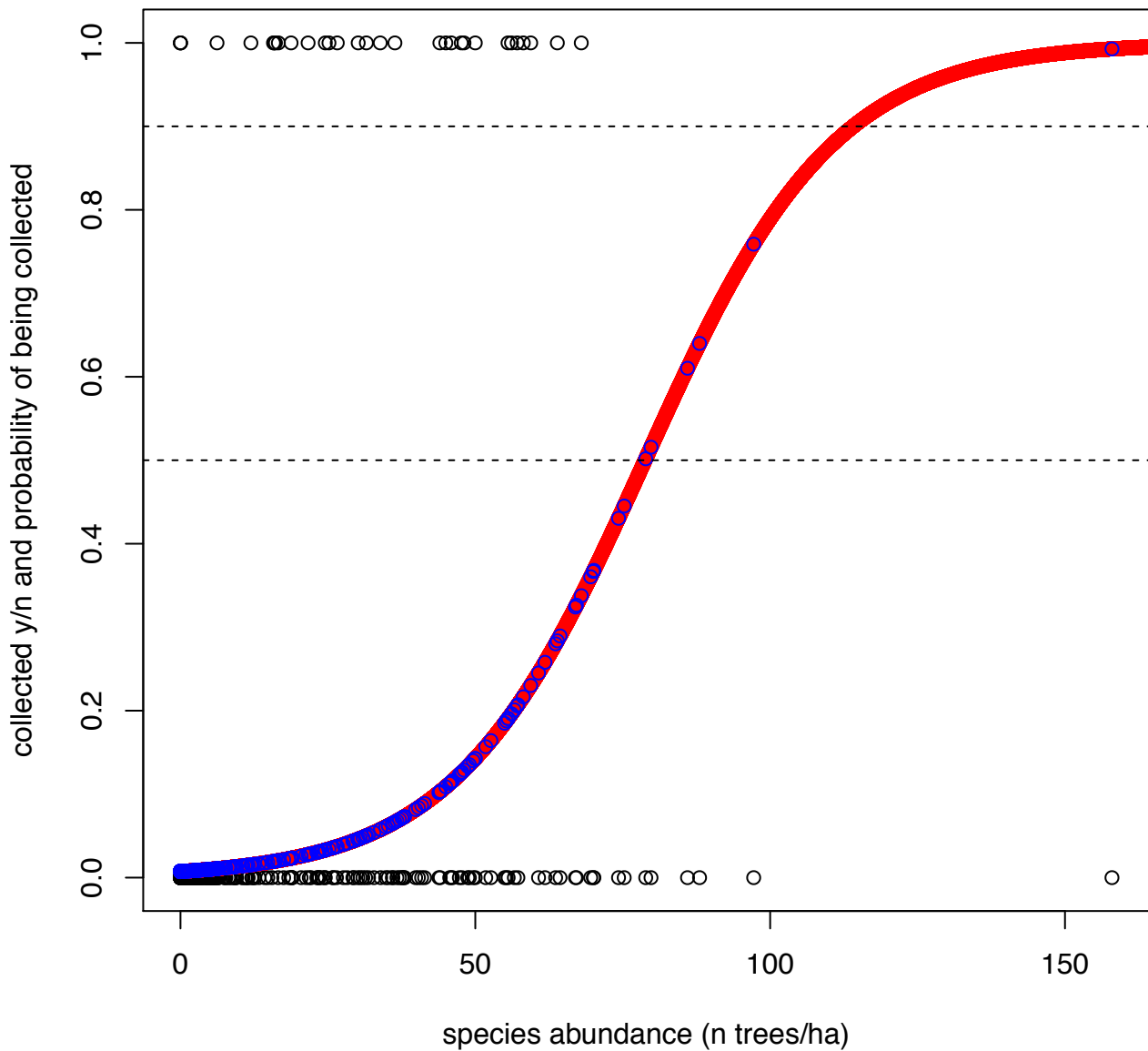
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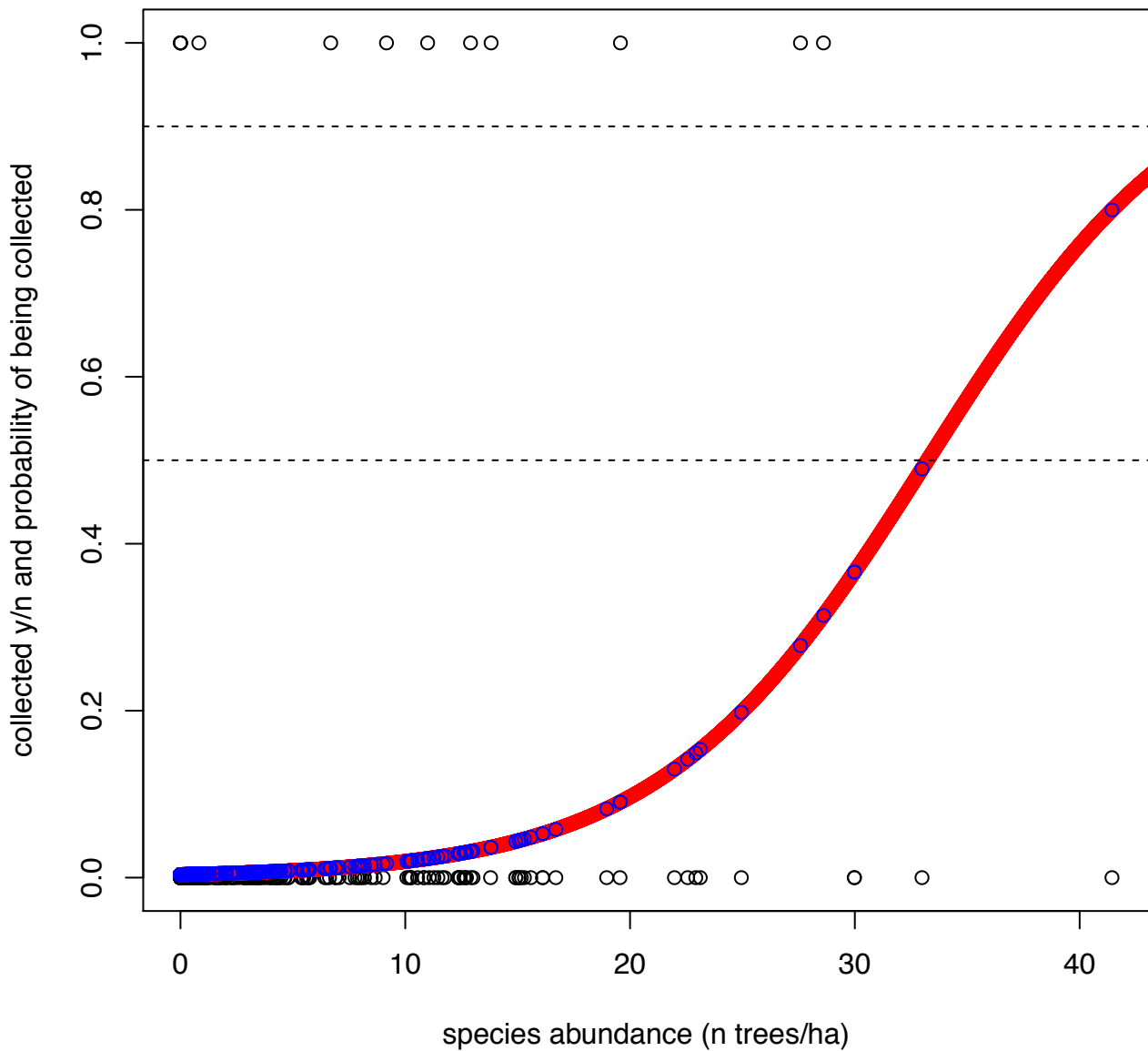
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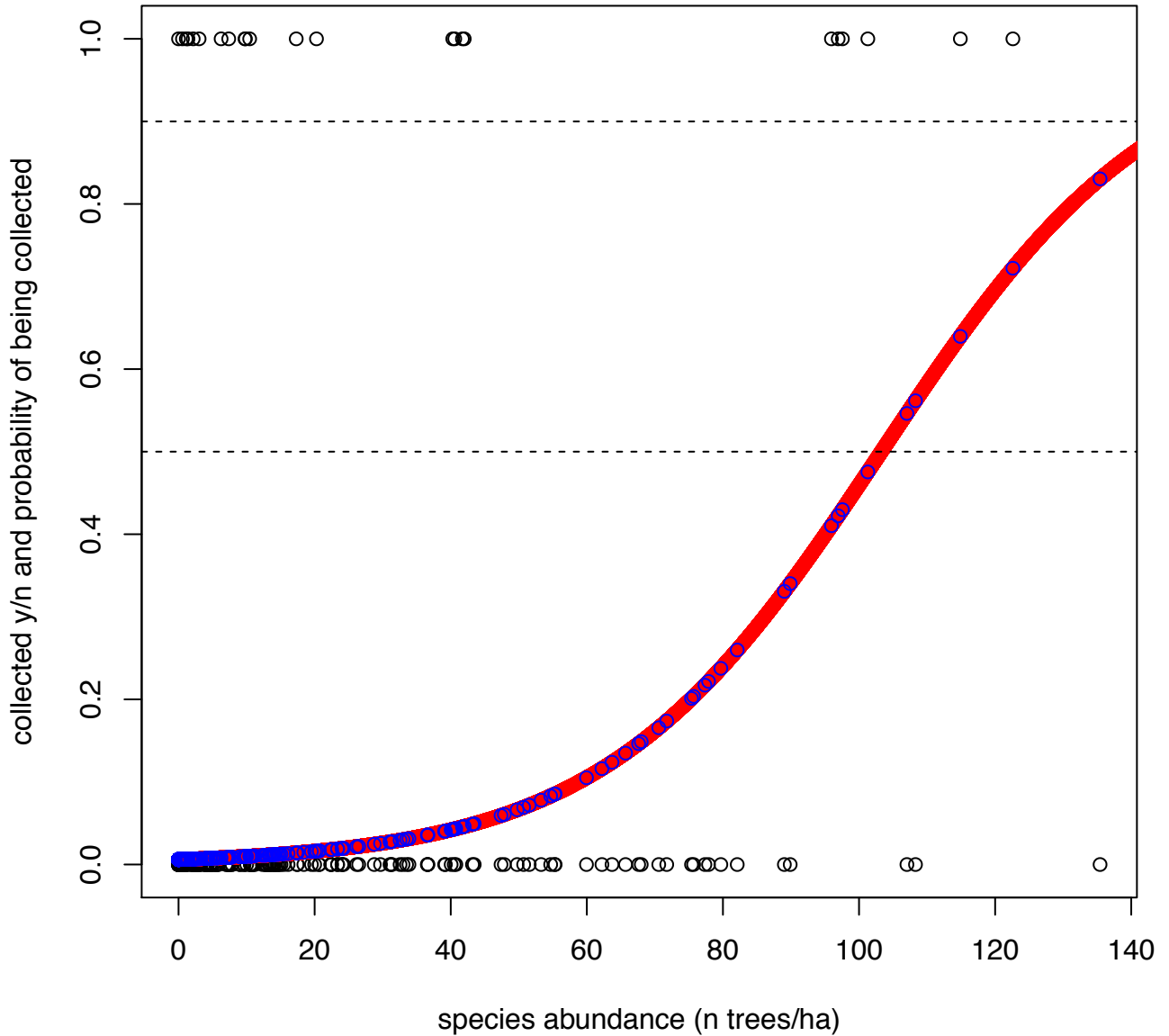
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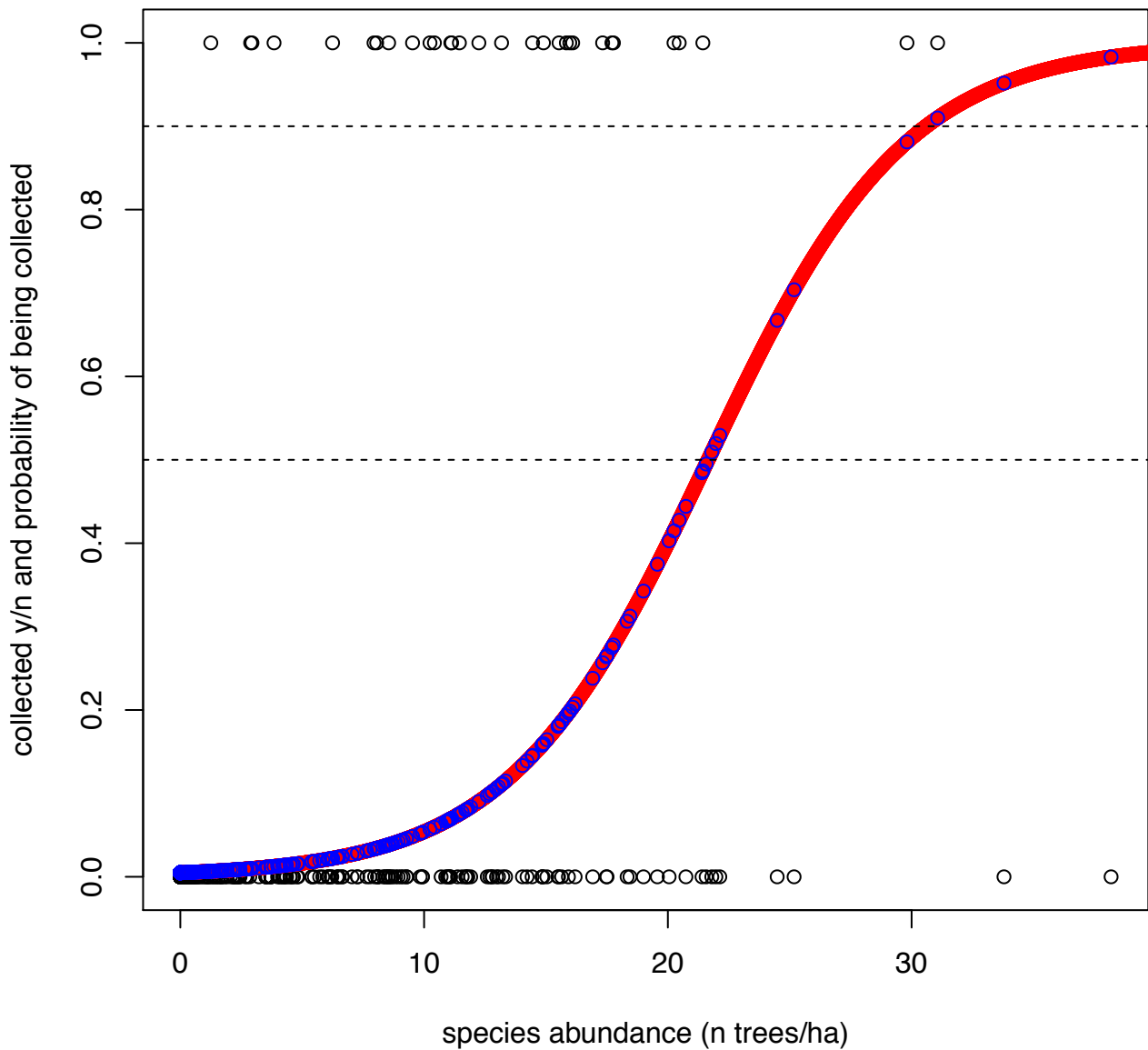
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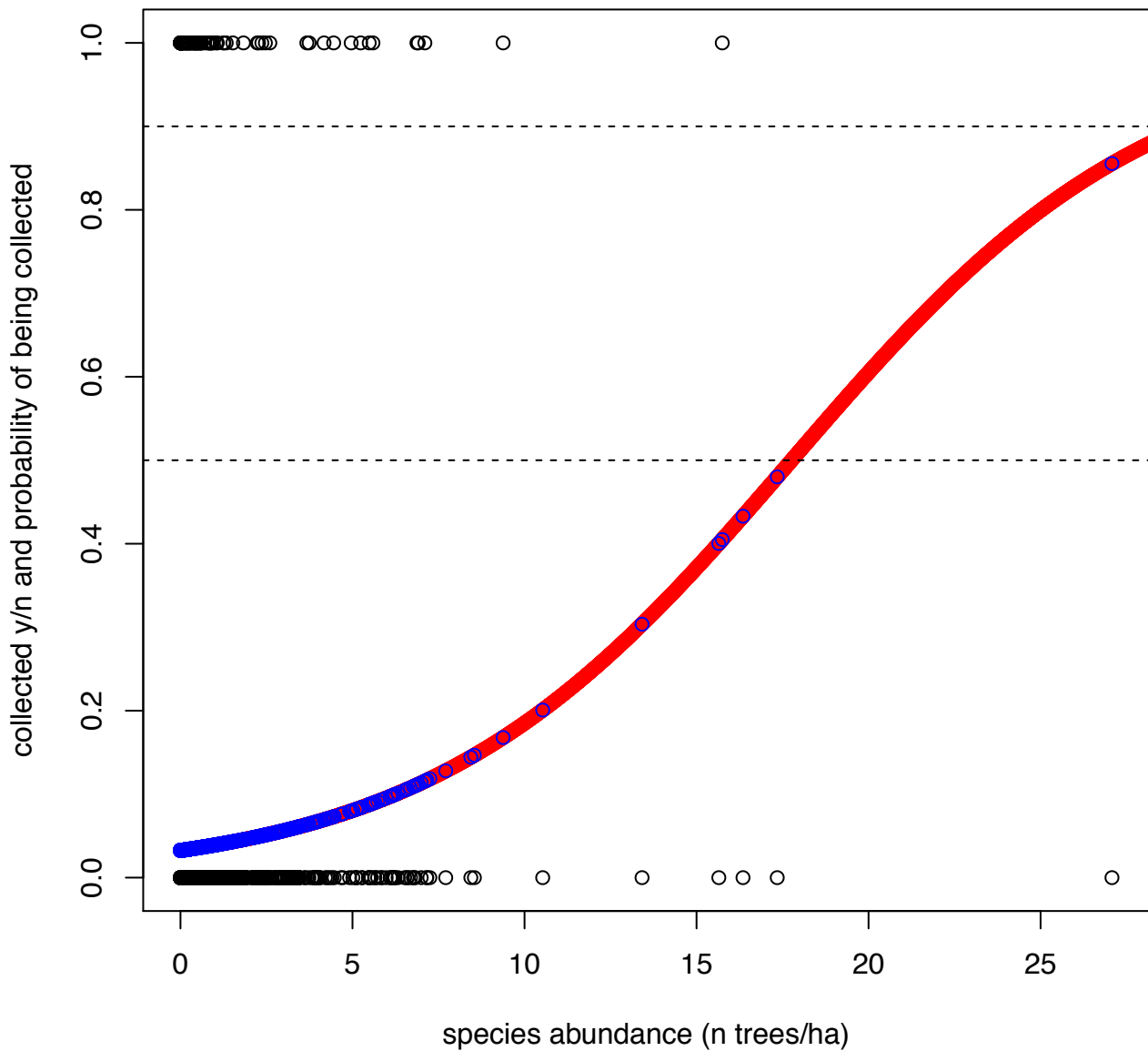
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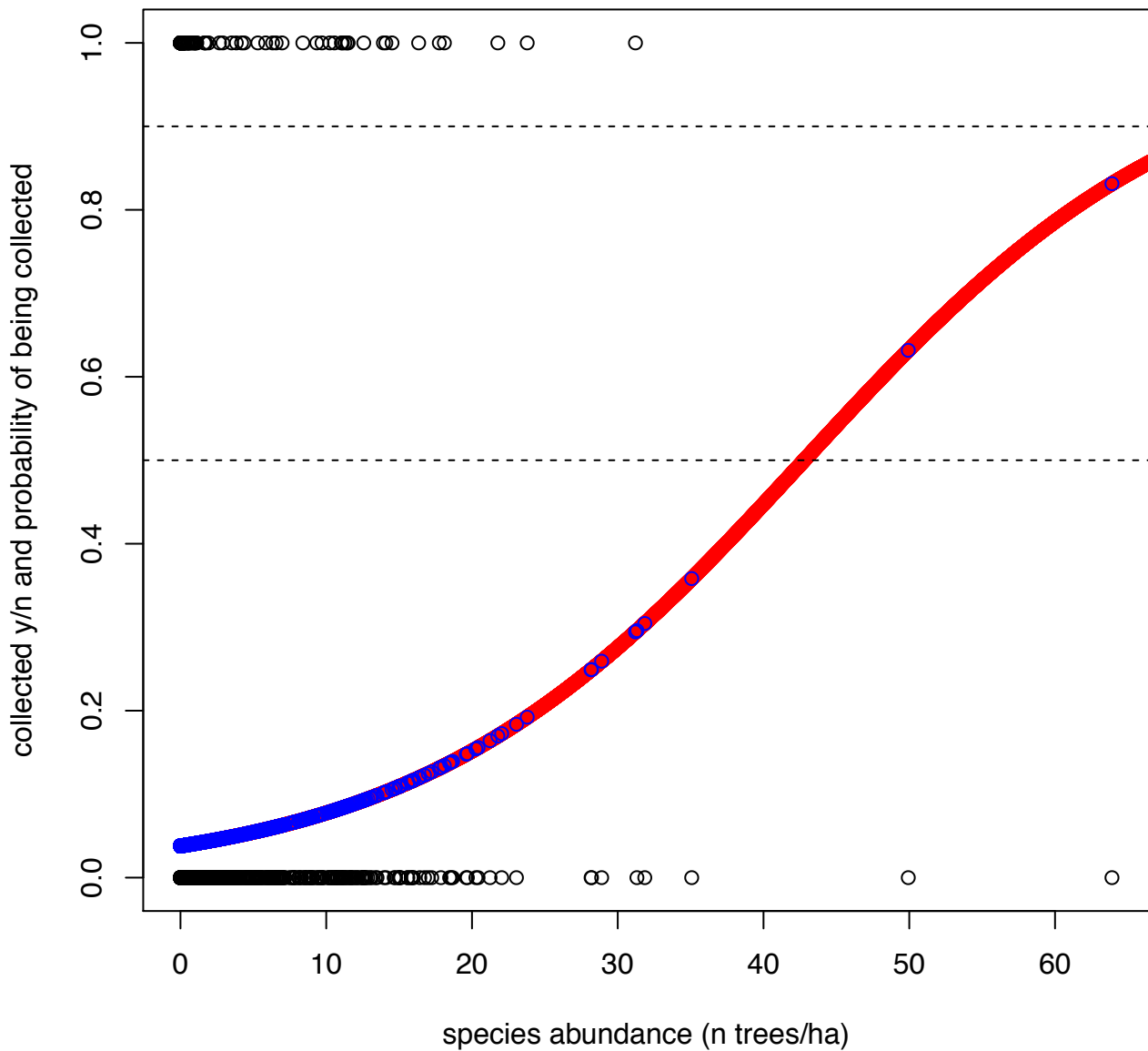
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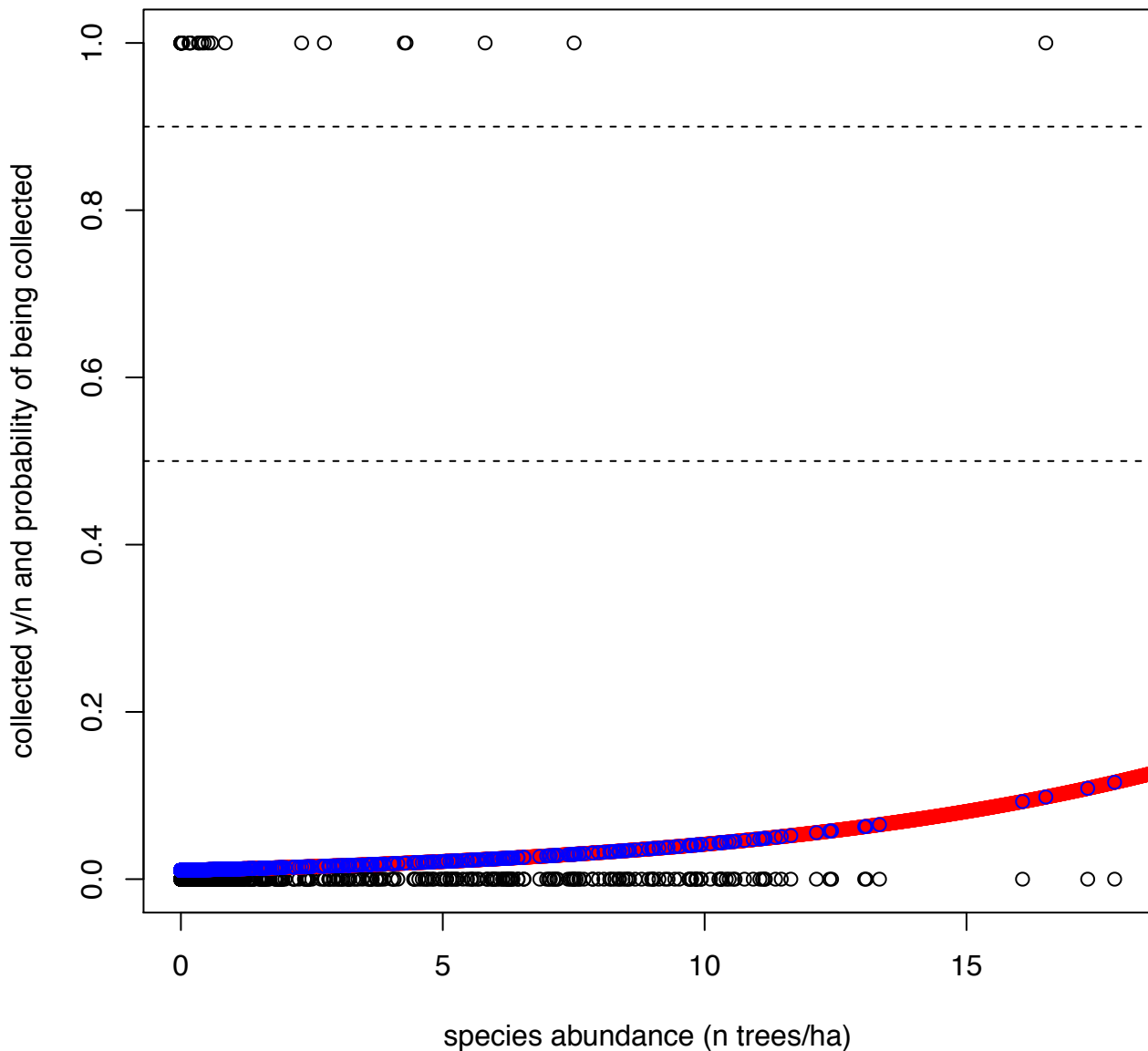
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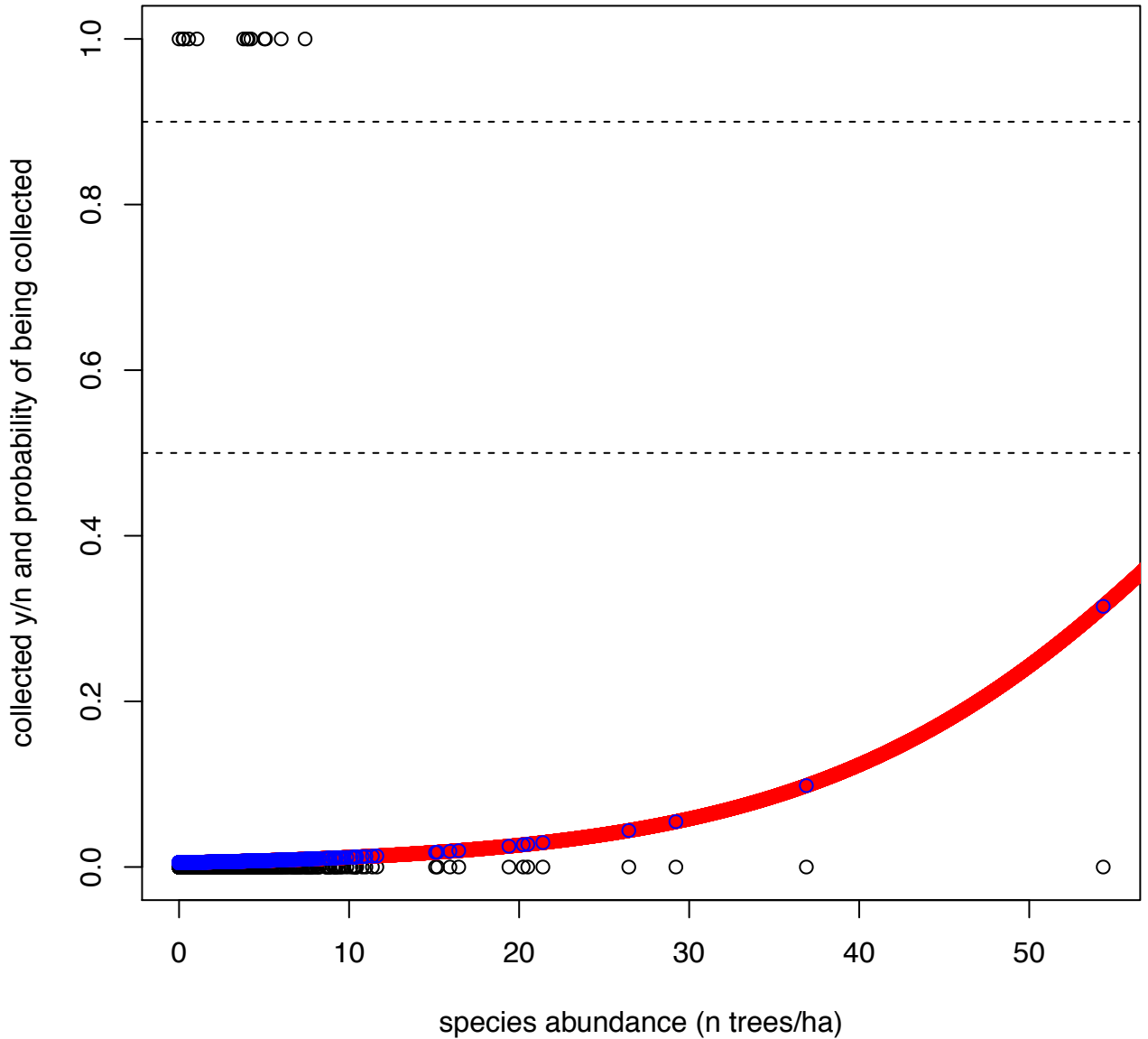
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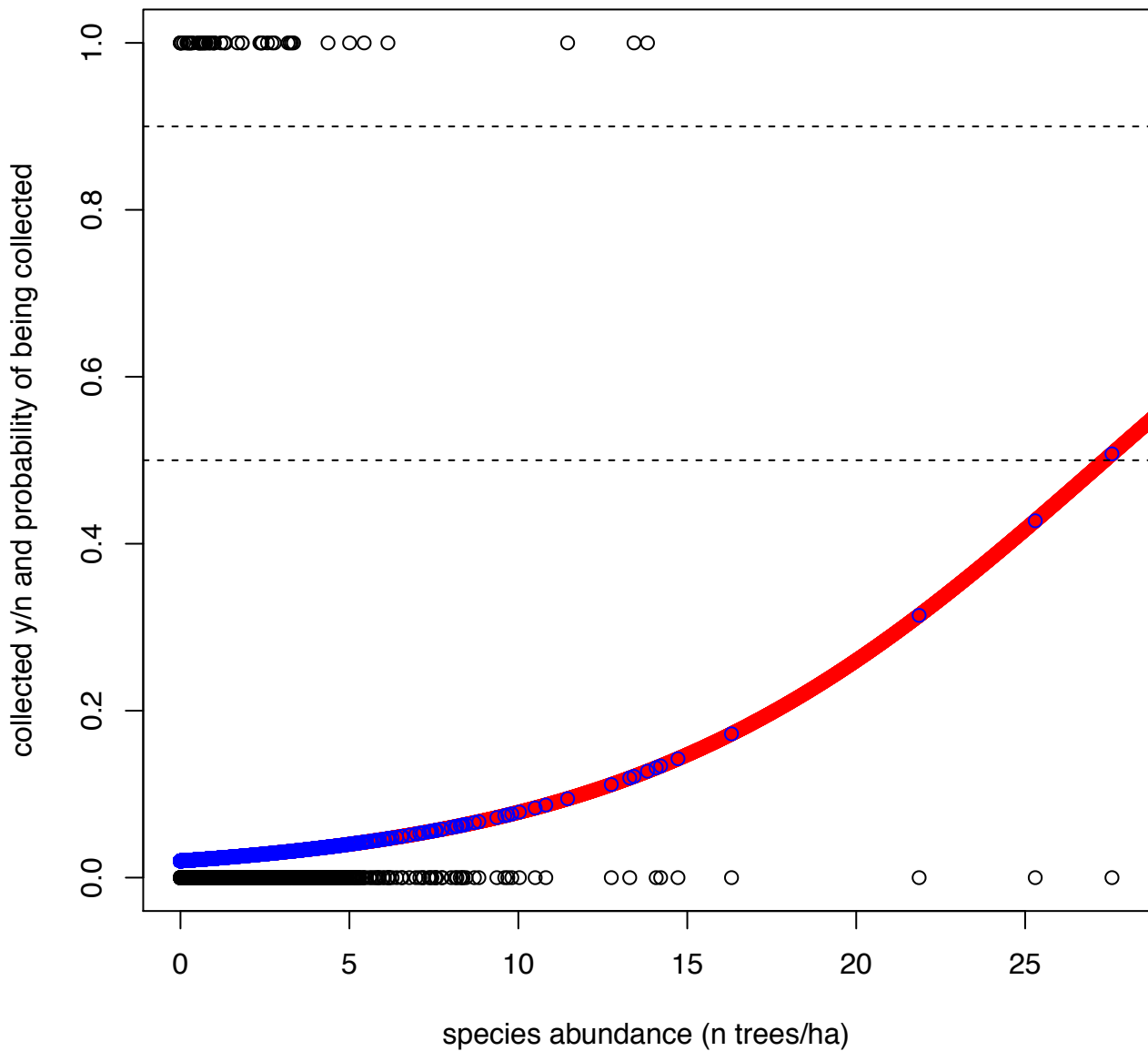
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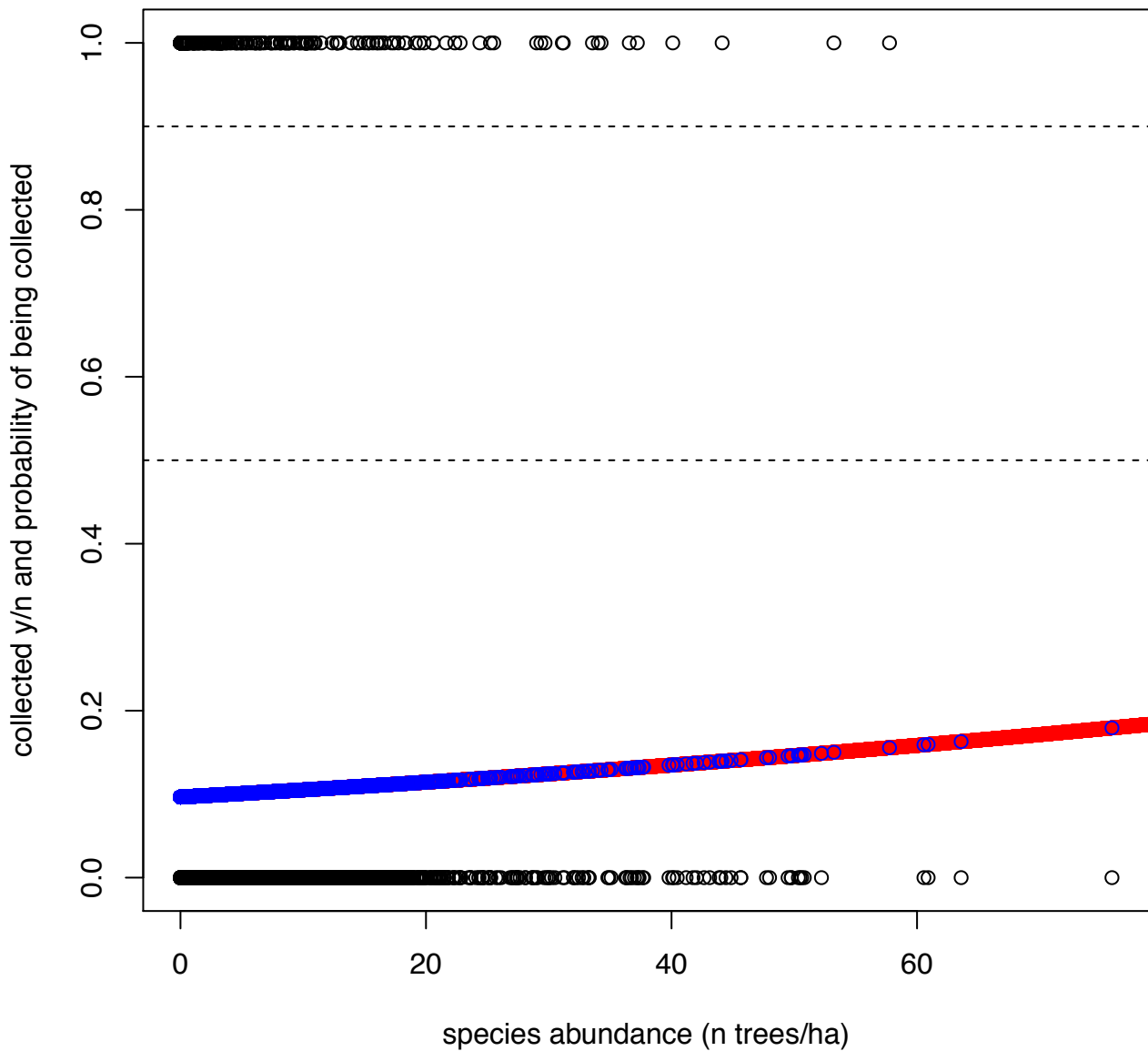
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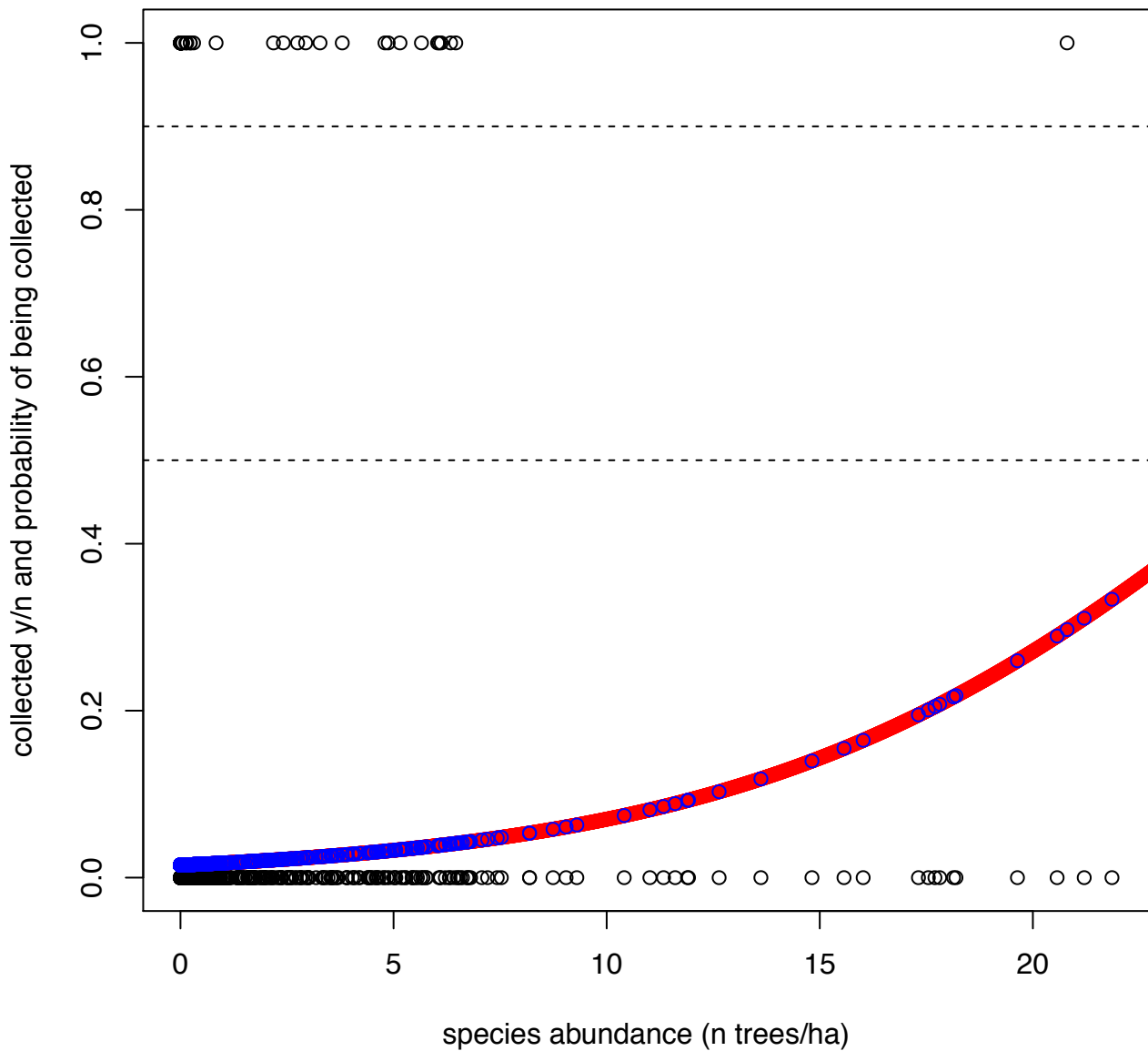
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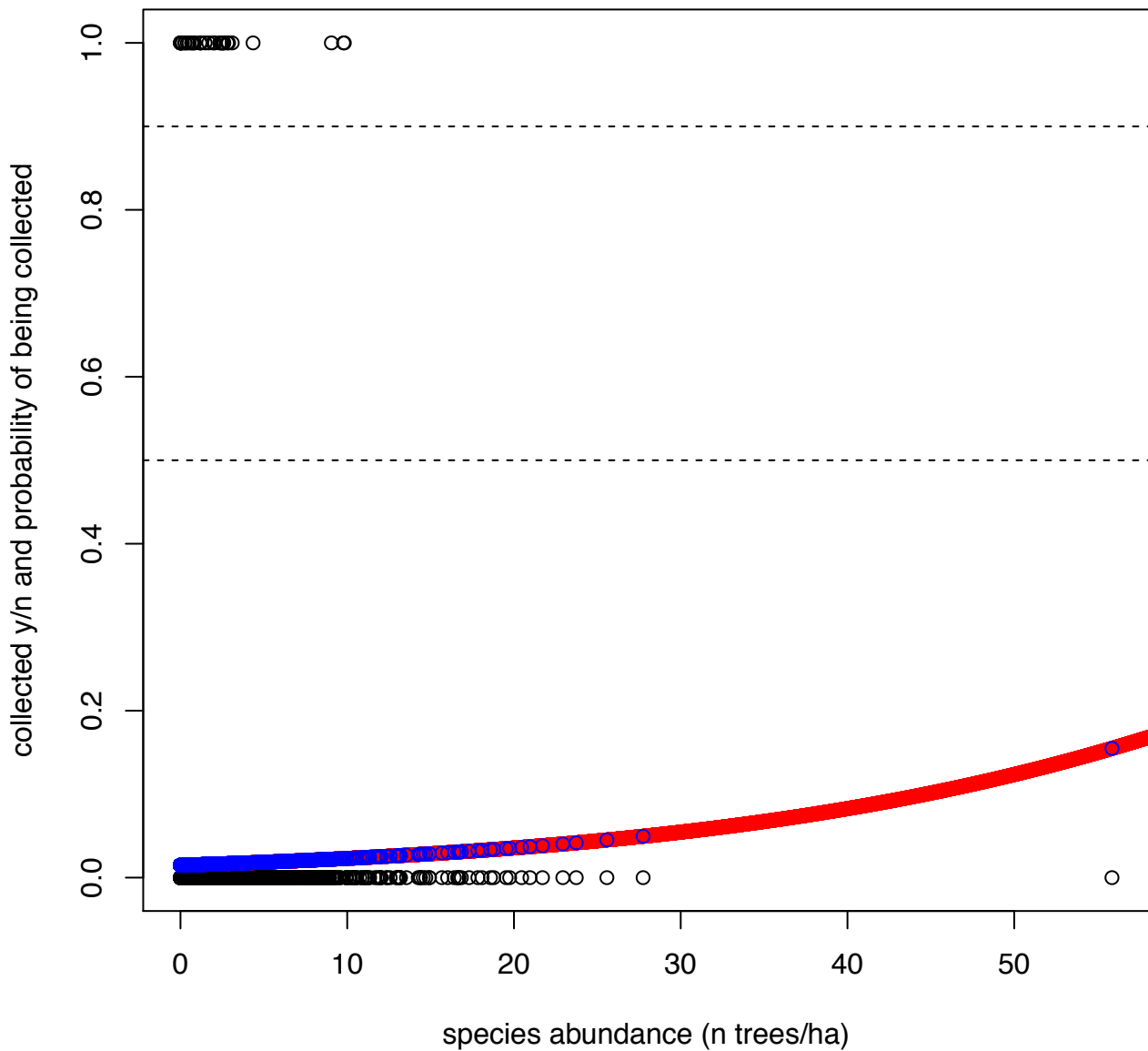
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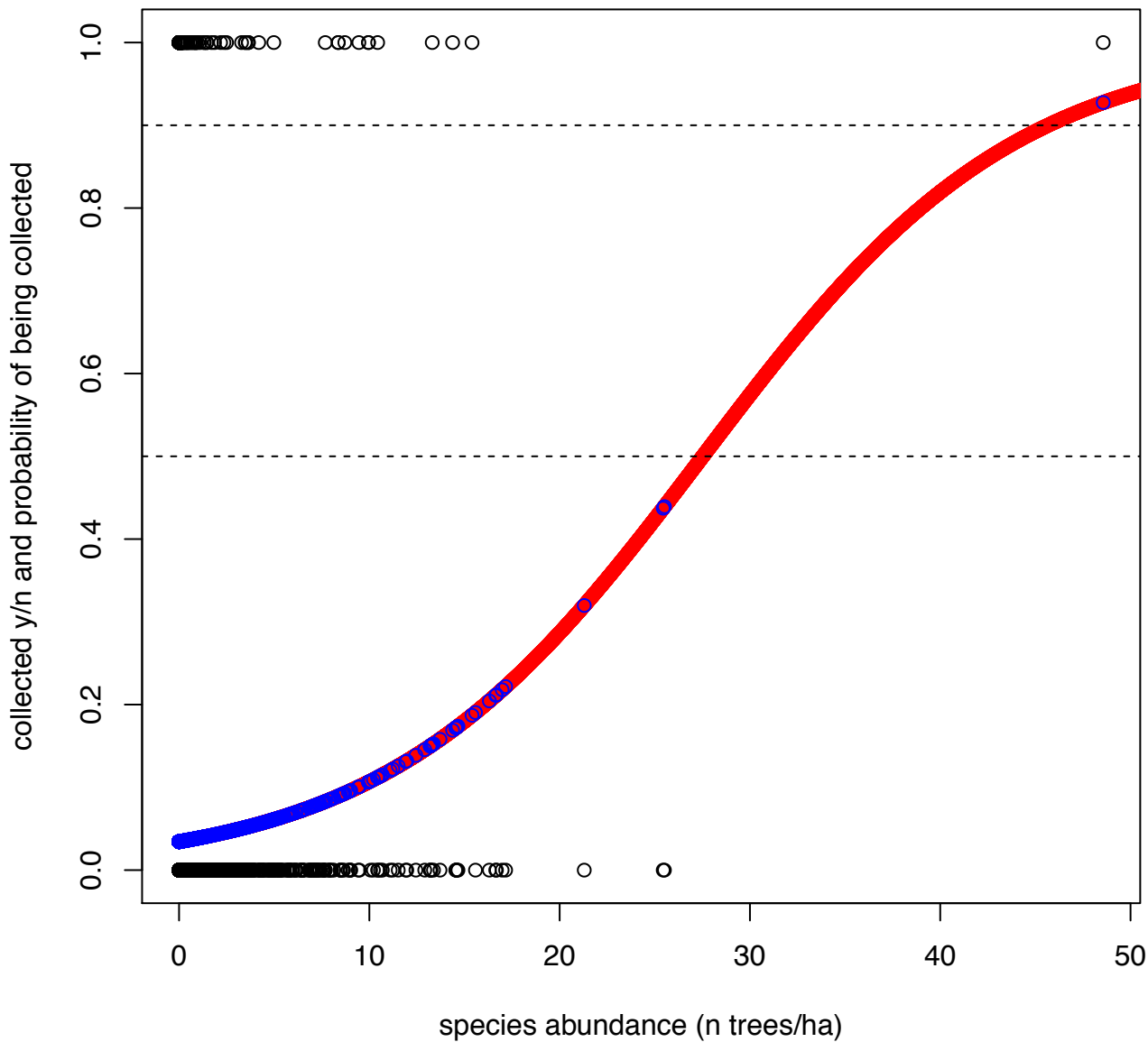
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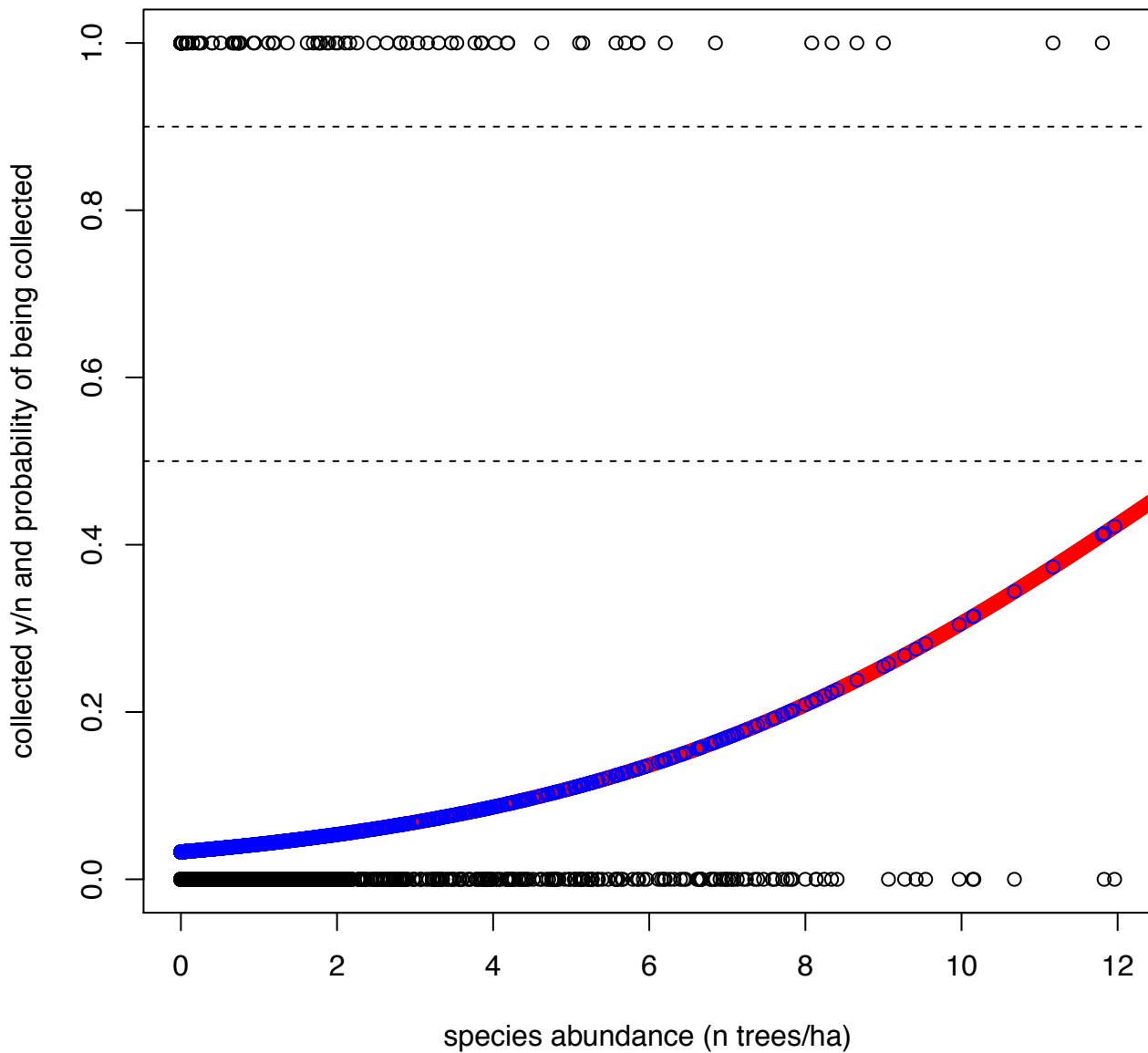
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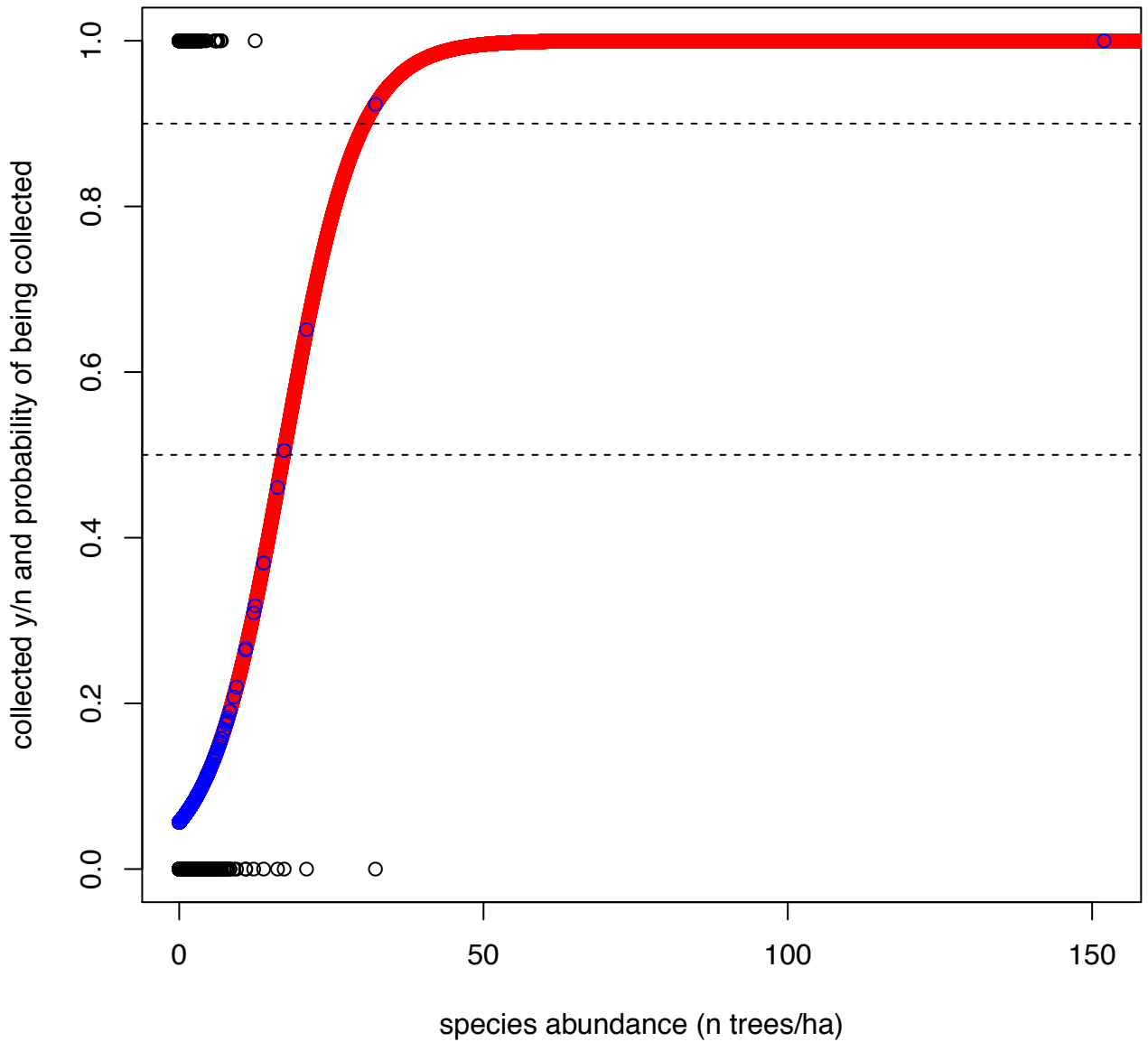
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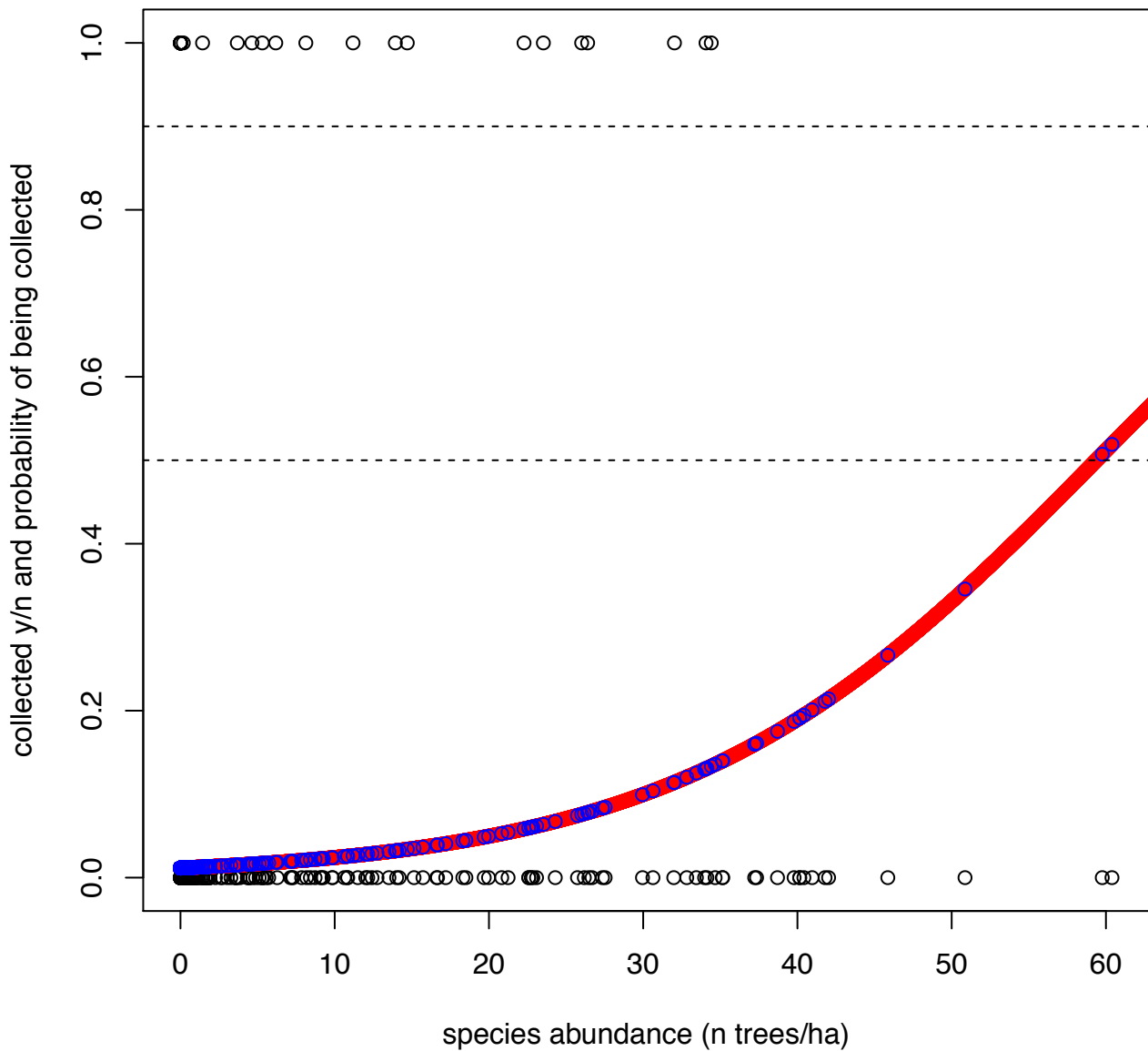
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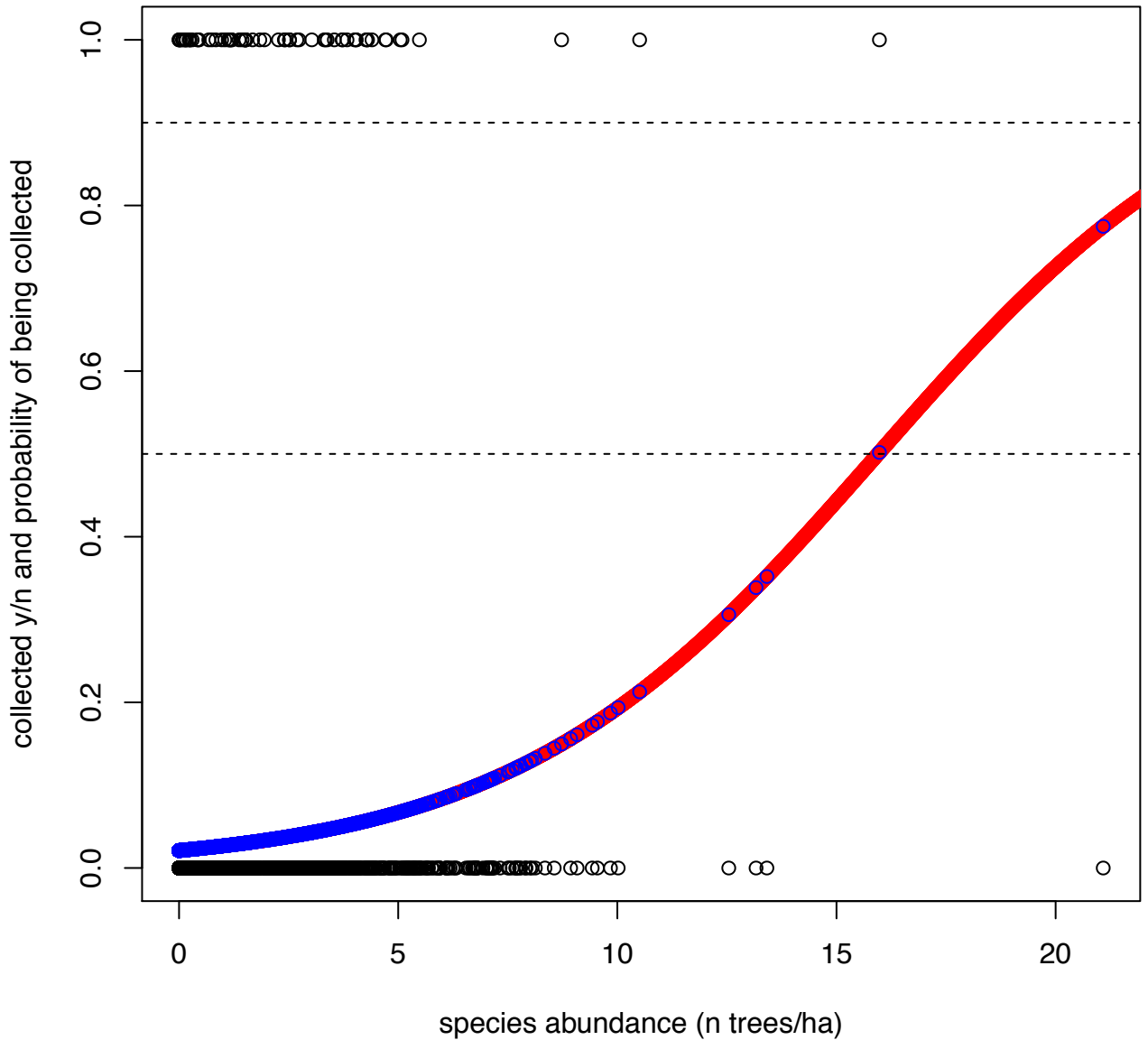
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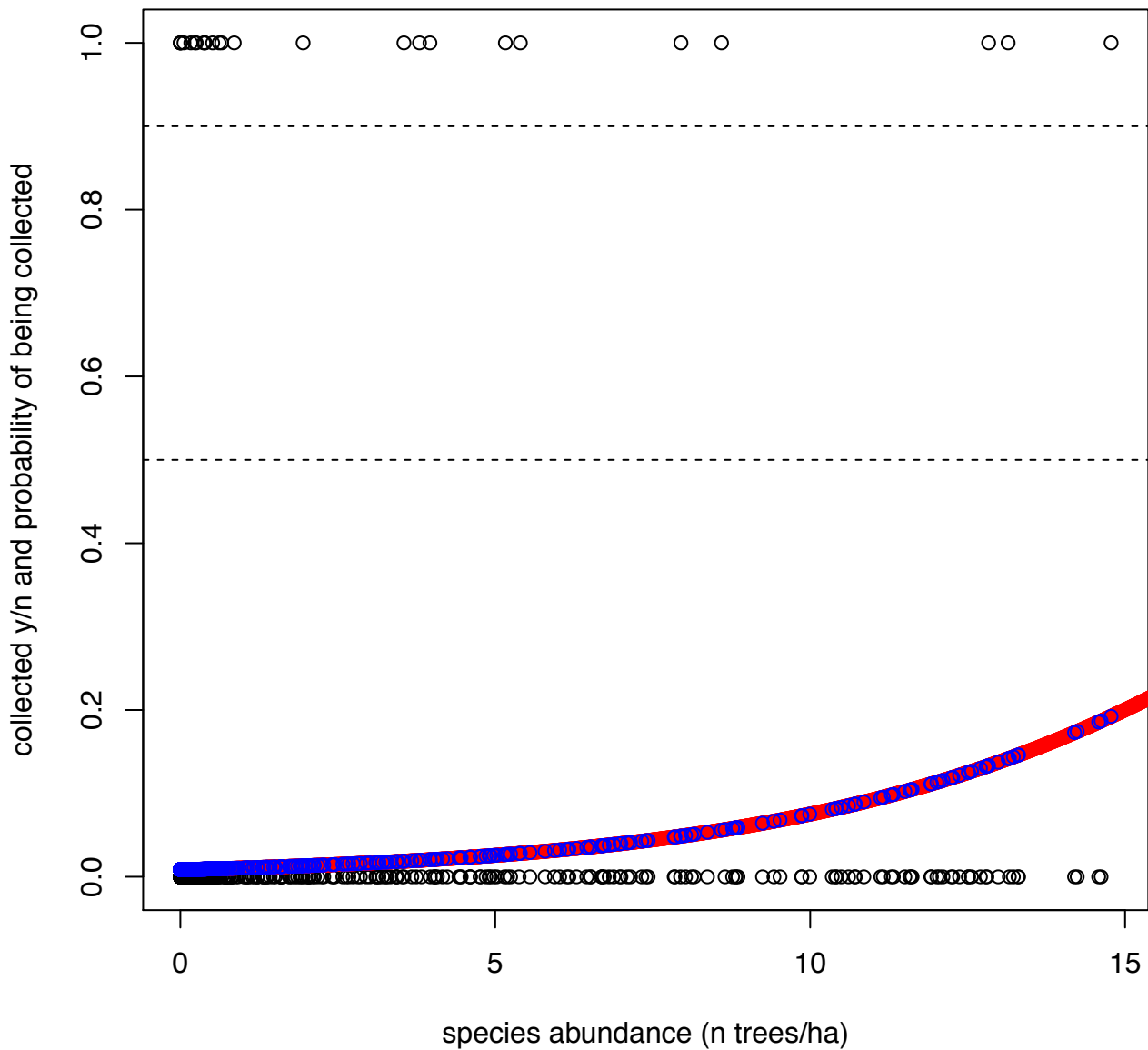
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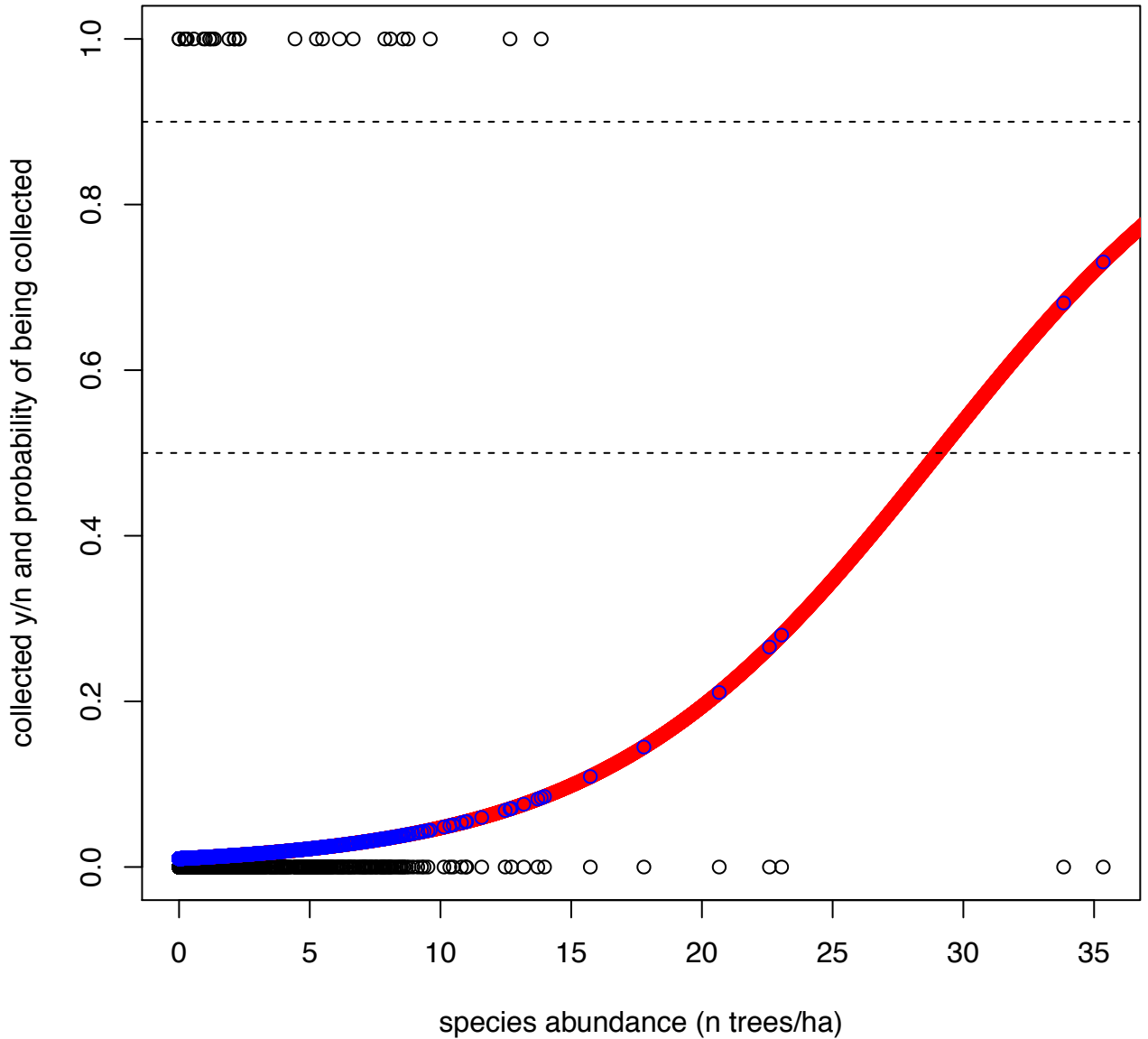
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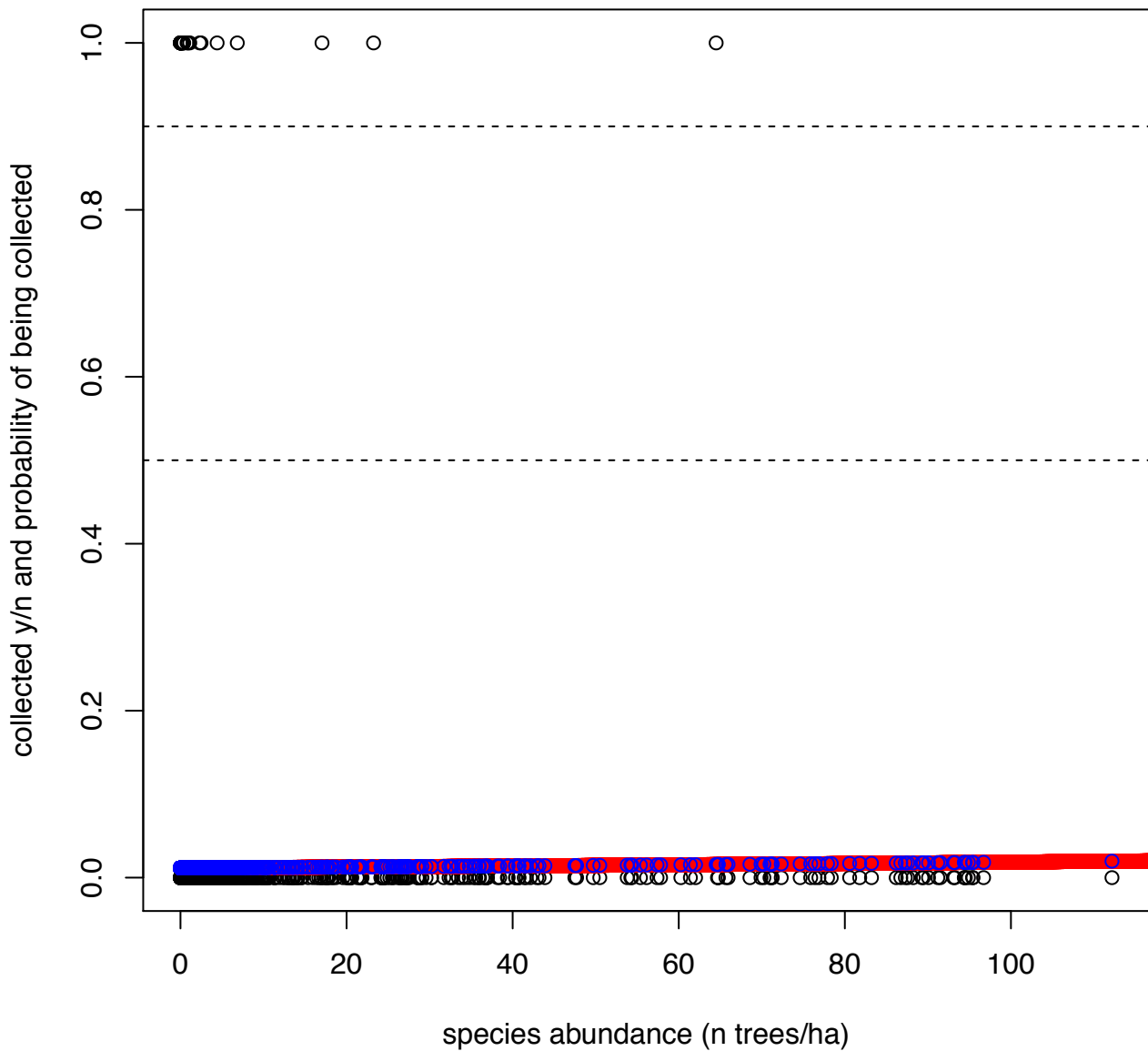
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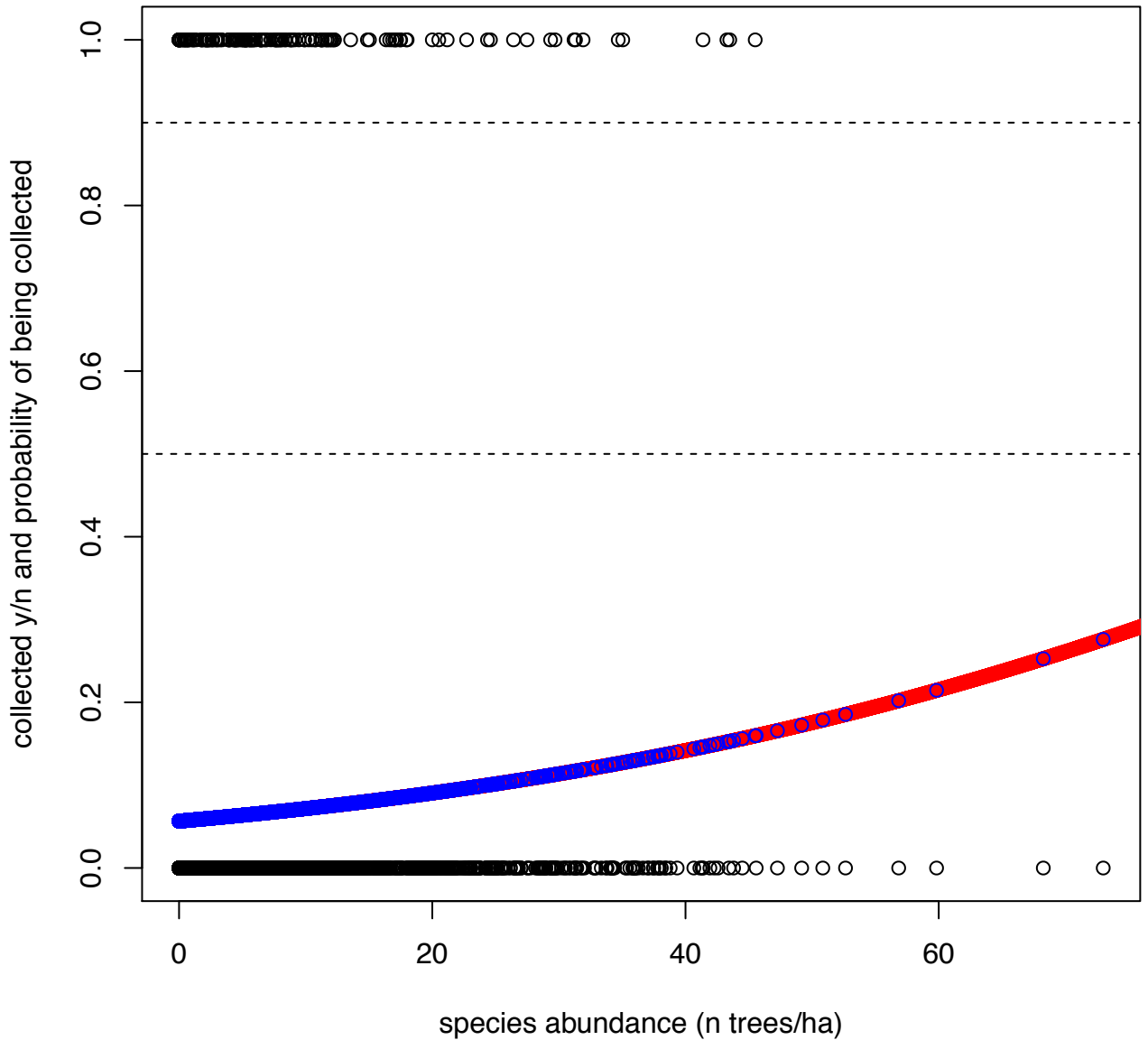
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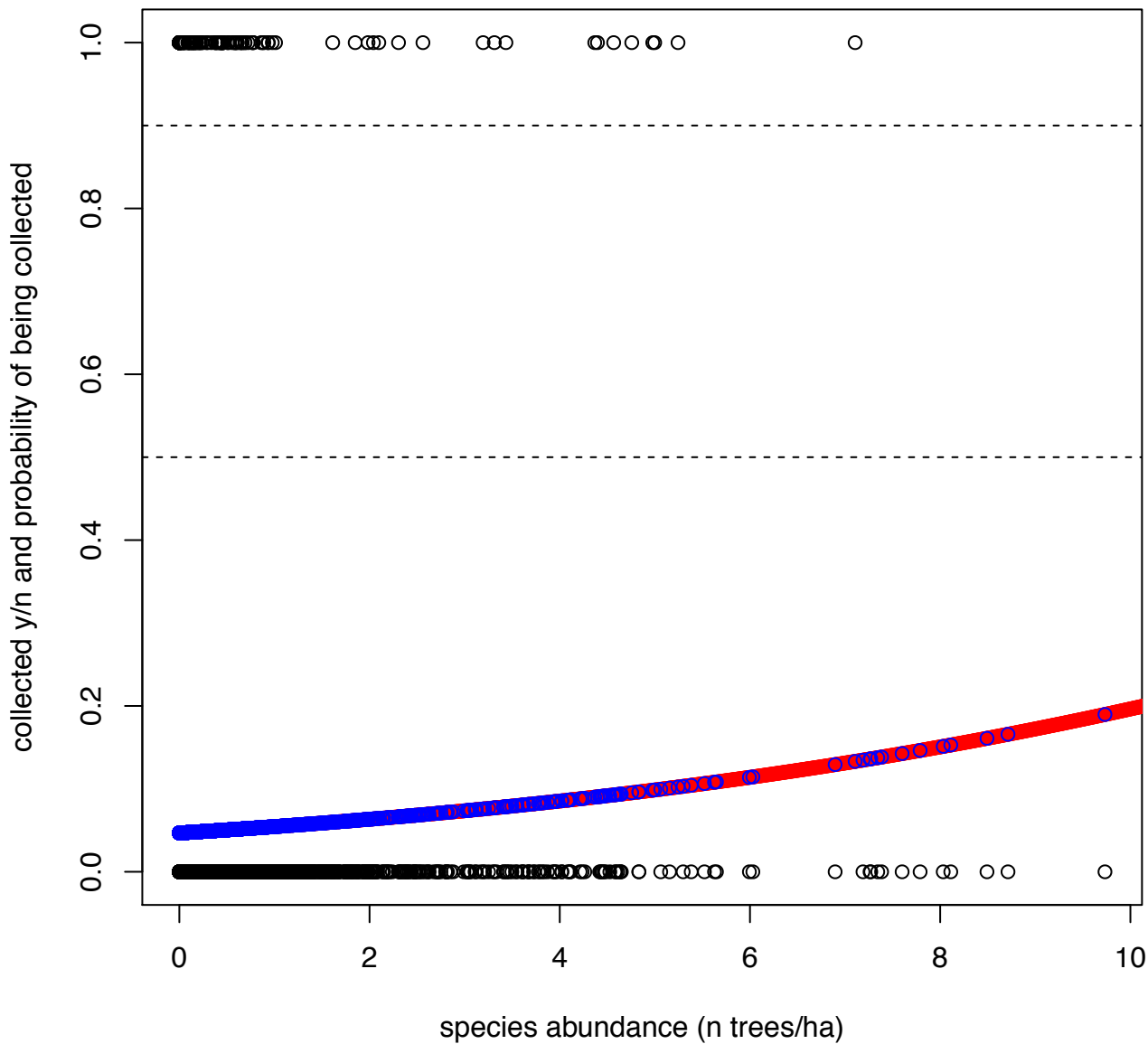
Euterpe_oleracea – Non-significant



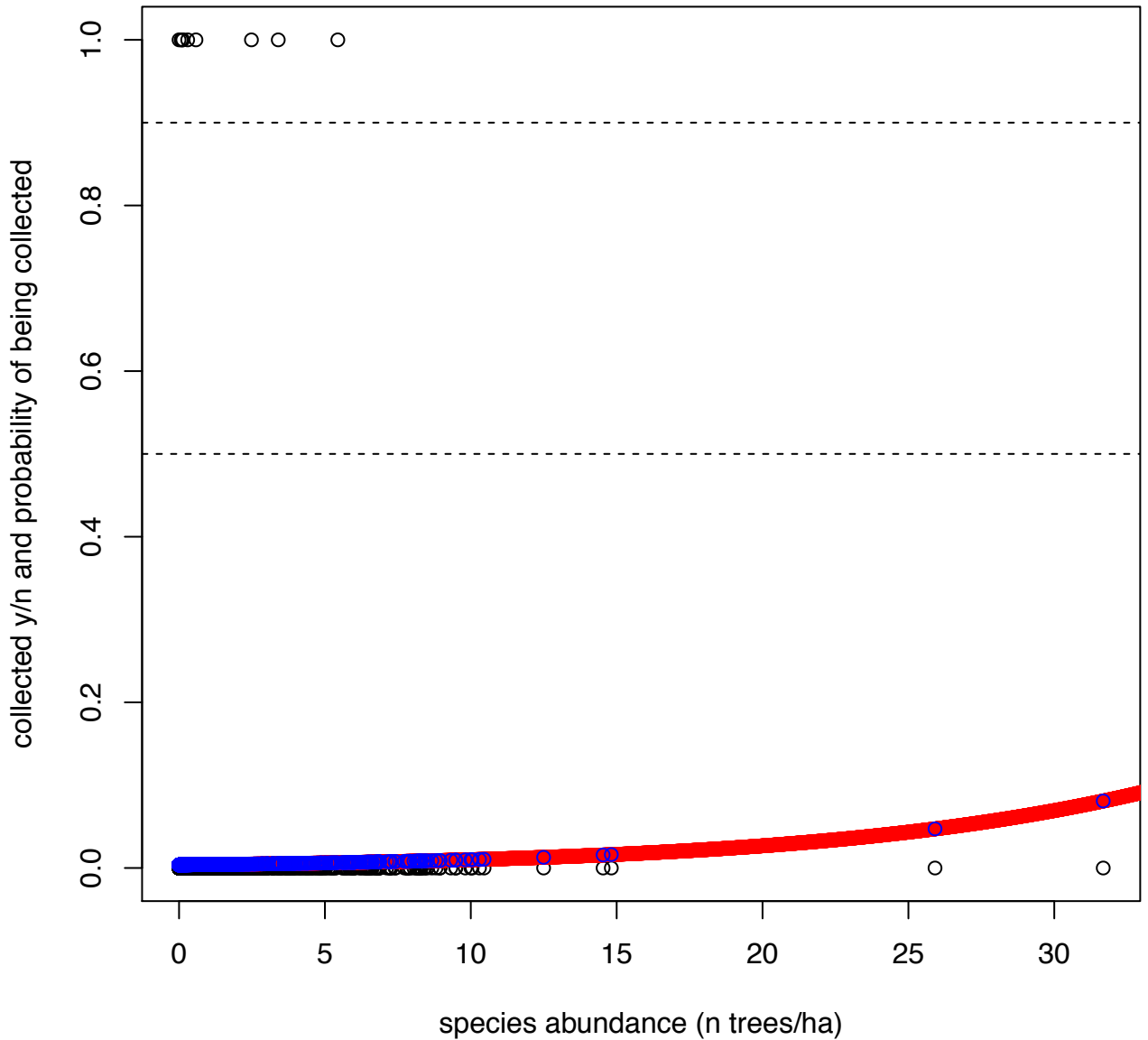
Euterpe_precatoria – Significant



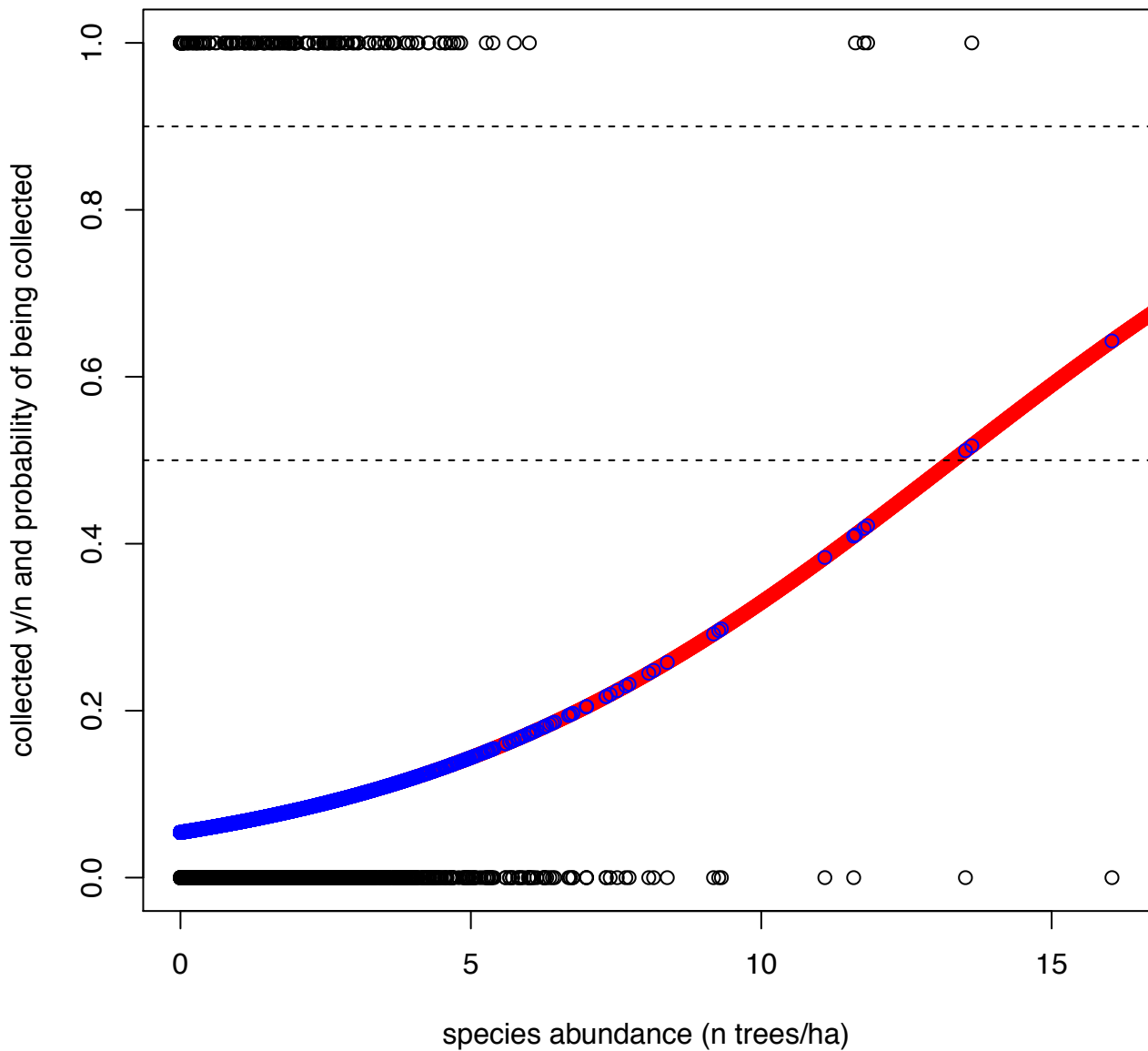
Garcinia_macrophylla – Significant



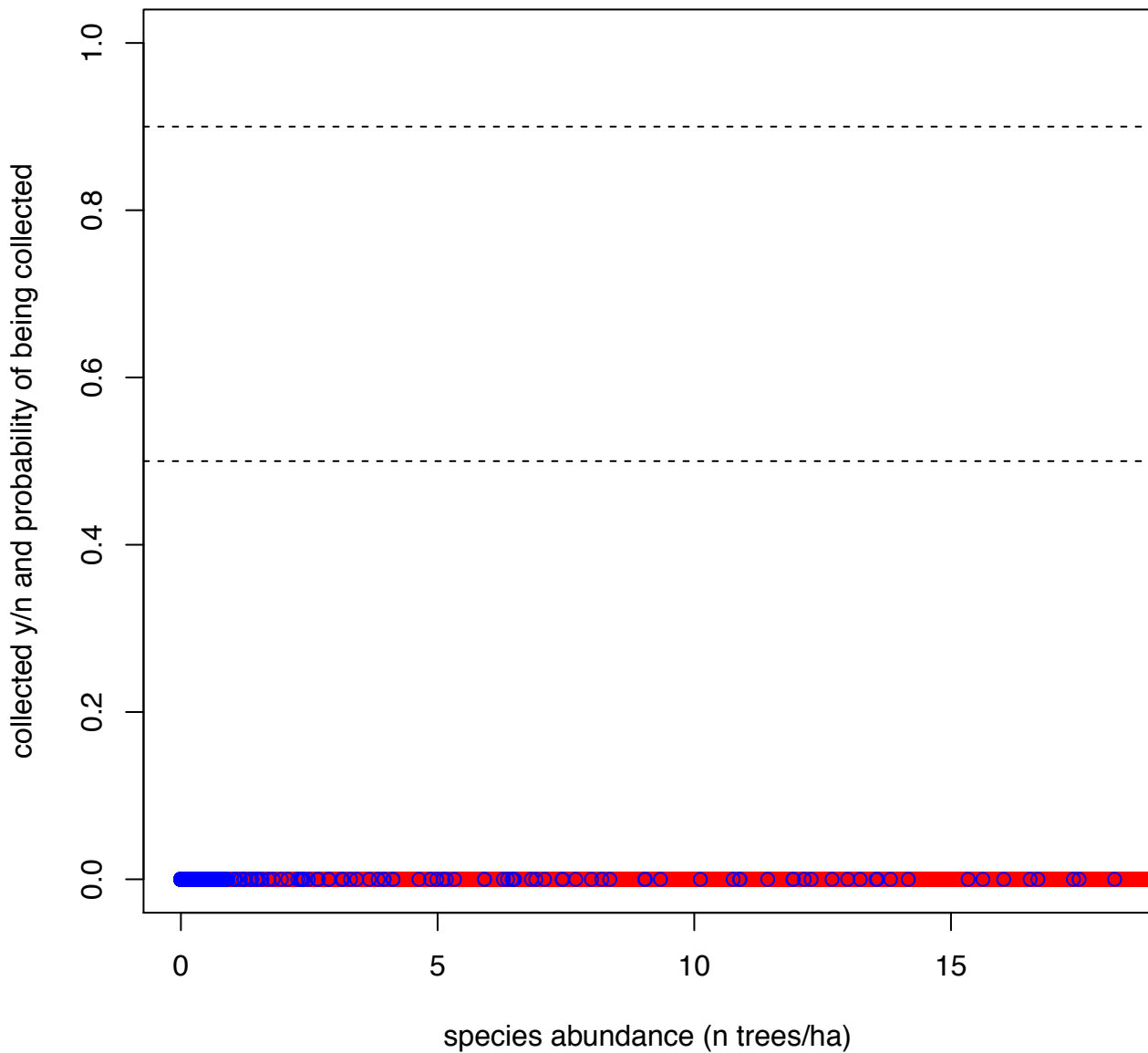
Geissospermum_sericeum – Non-significant



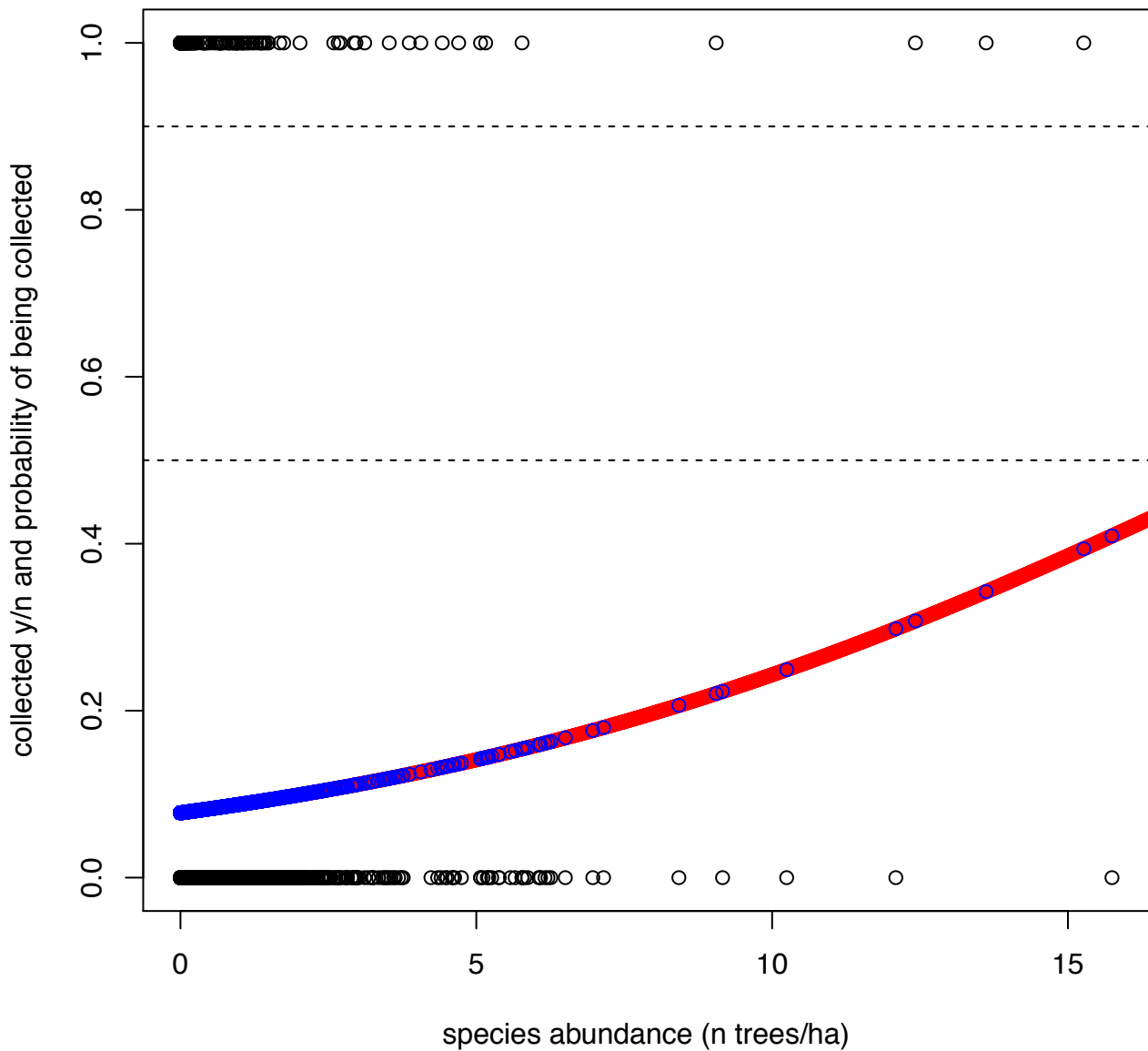
Goupia_glabra – Significant



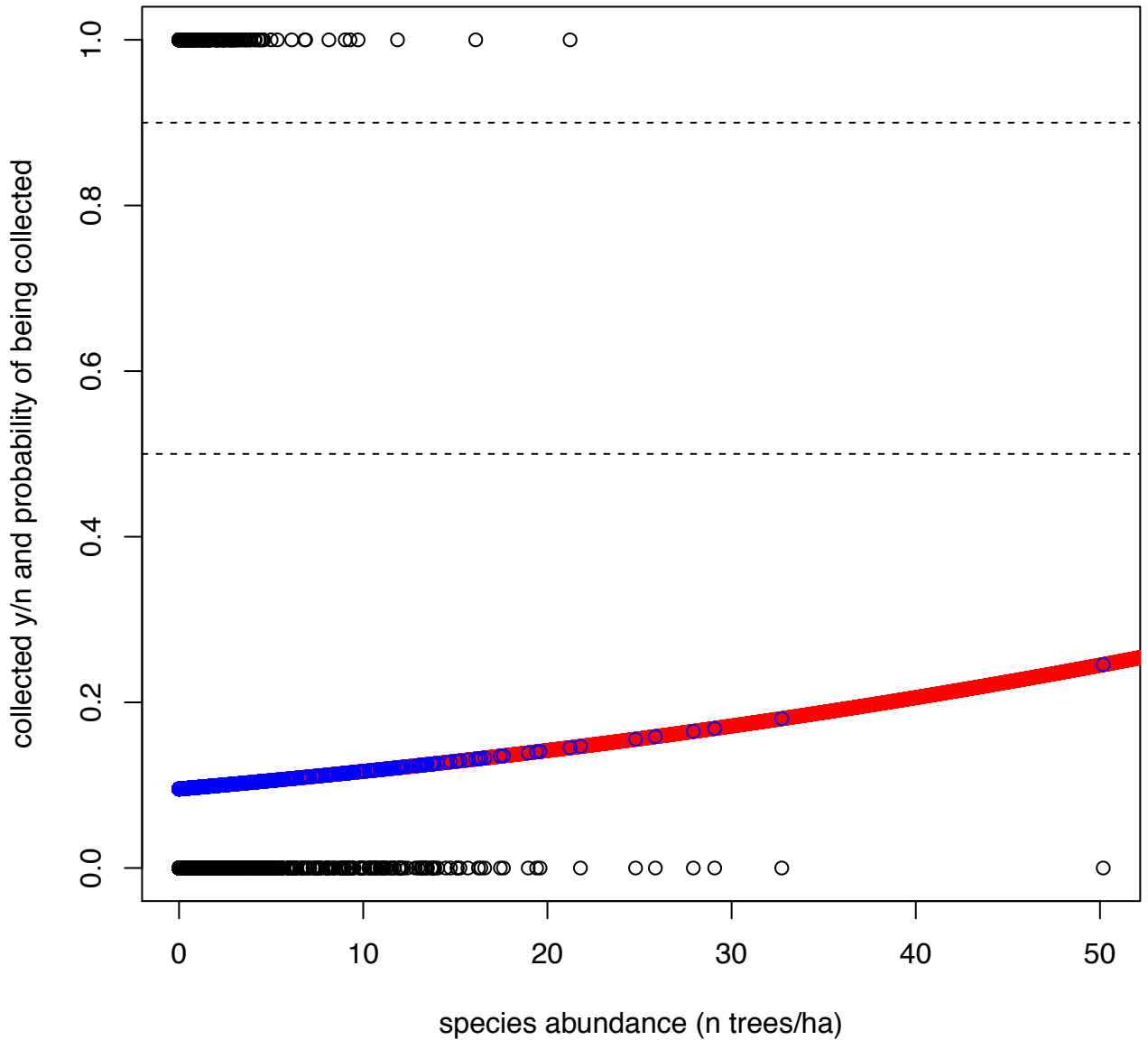
Guapira_venosa – Non-significant



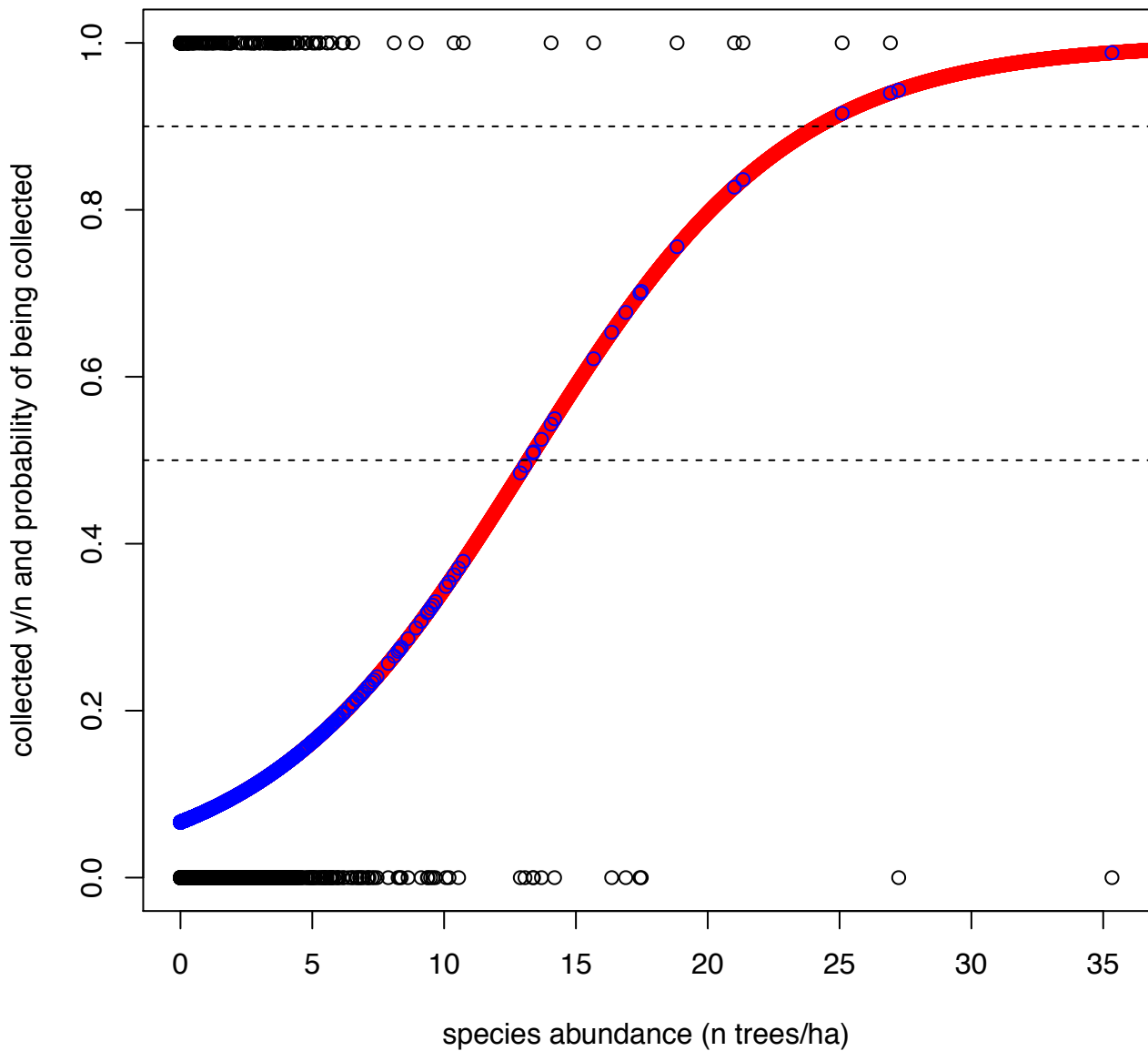
Guarea_guidonia – Significant



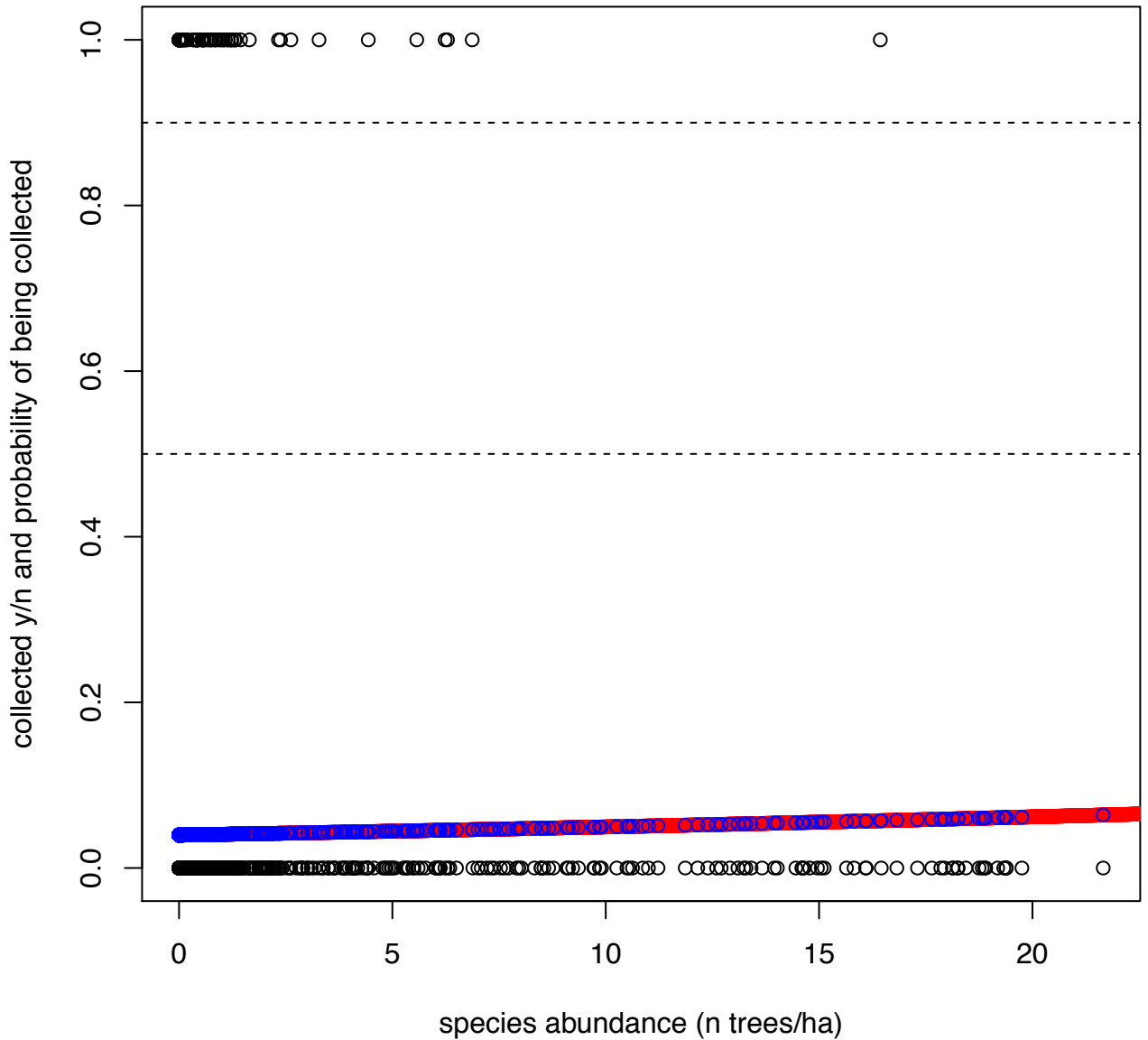
Guarea_kunthiana – Non-significant



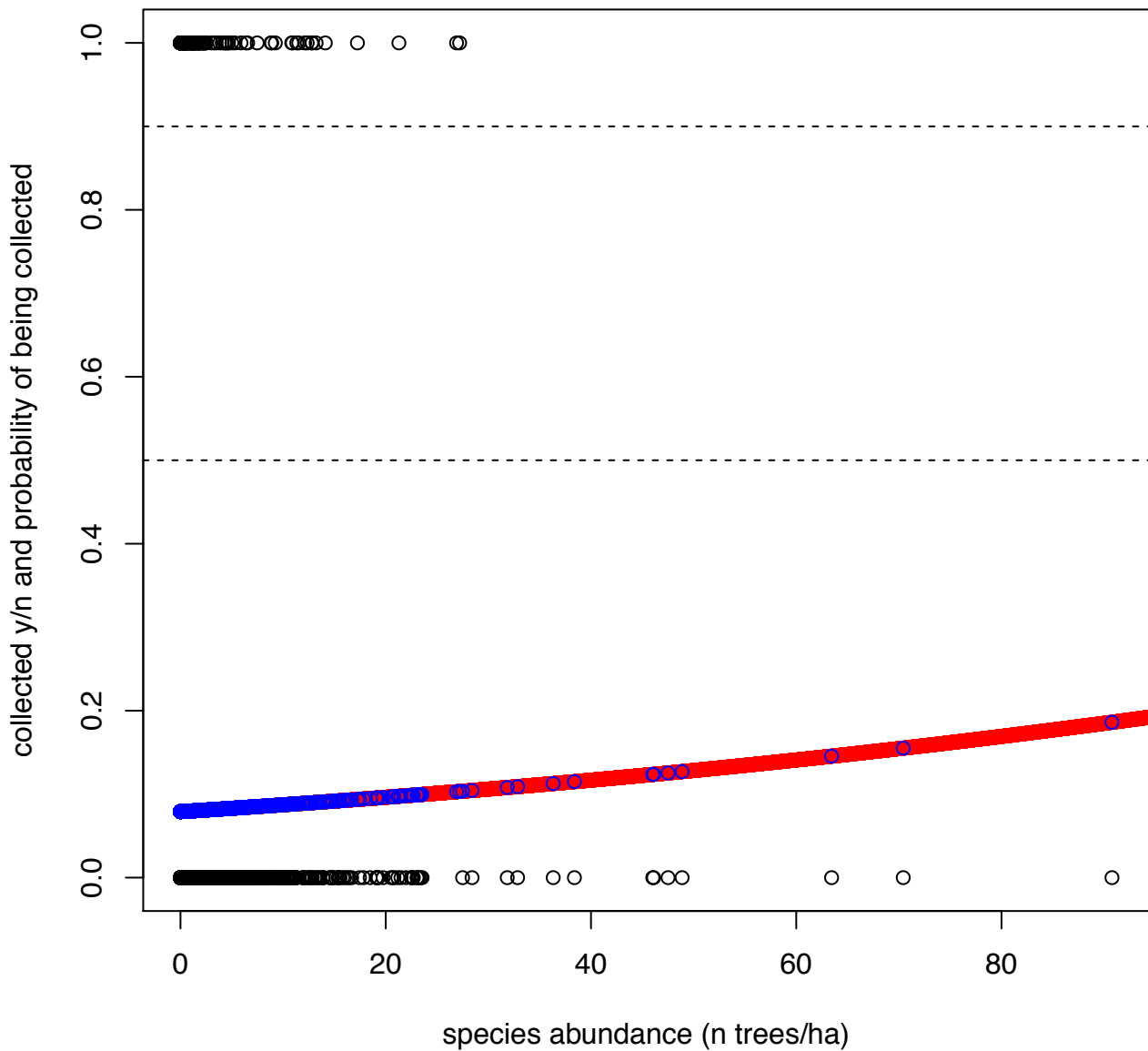
Guarea_macrophylla – Significant



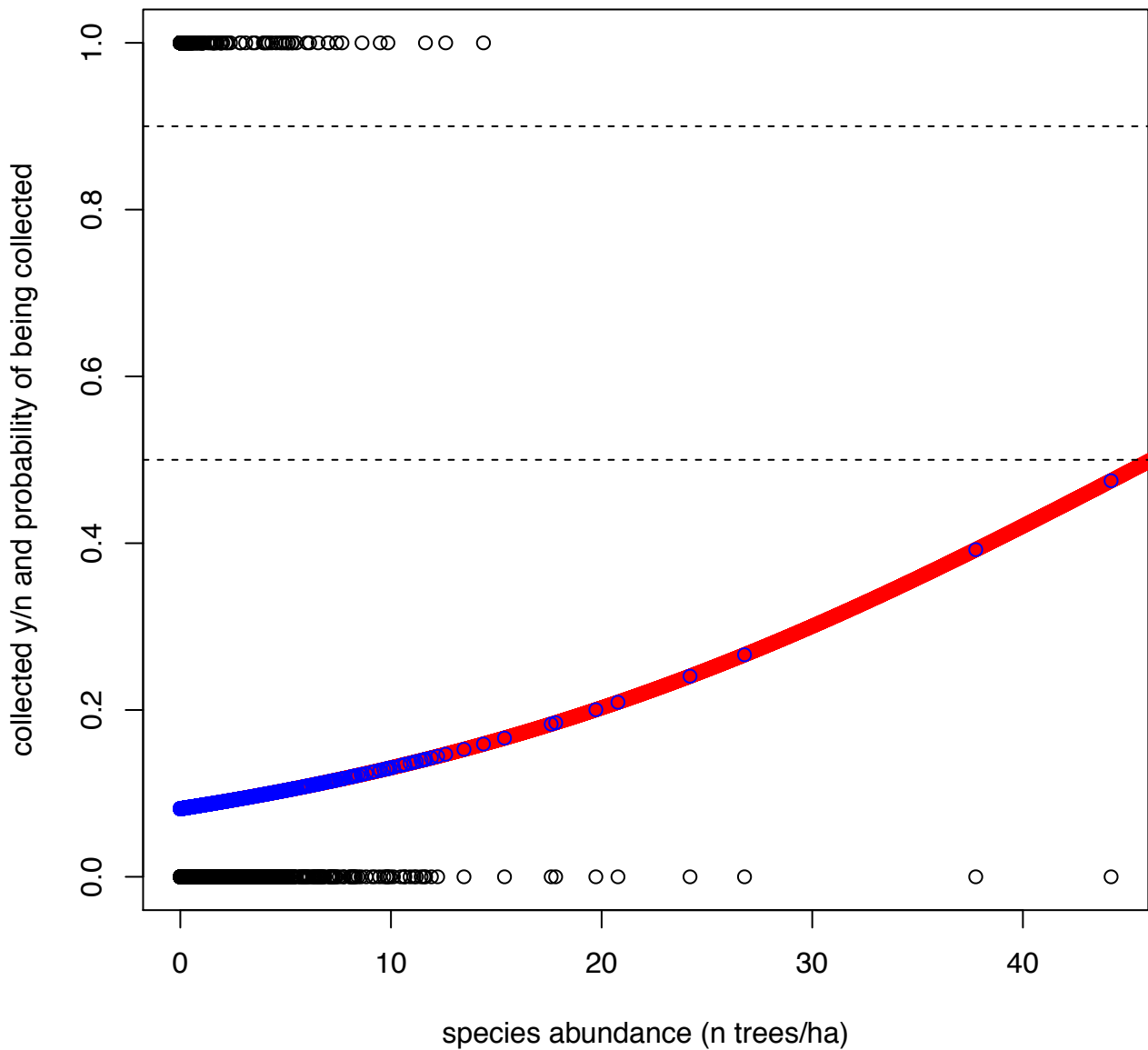
Guarea_silvatica – Non-significant



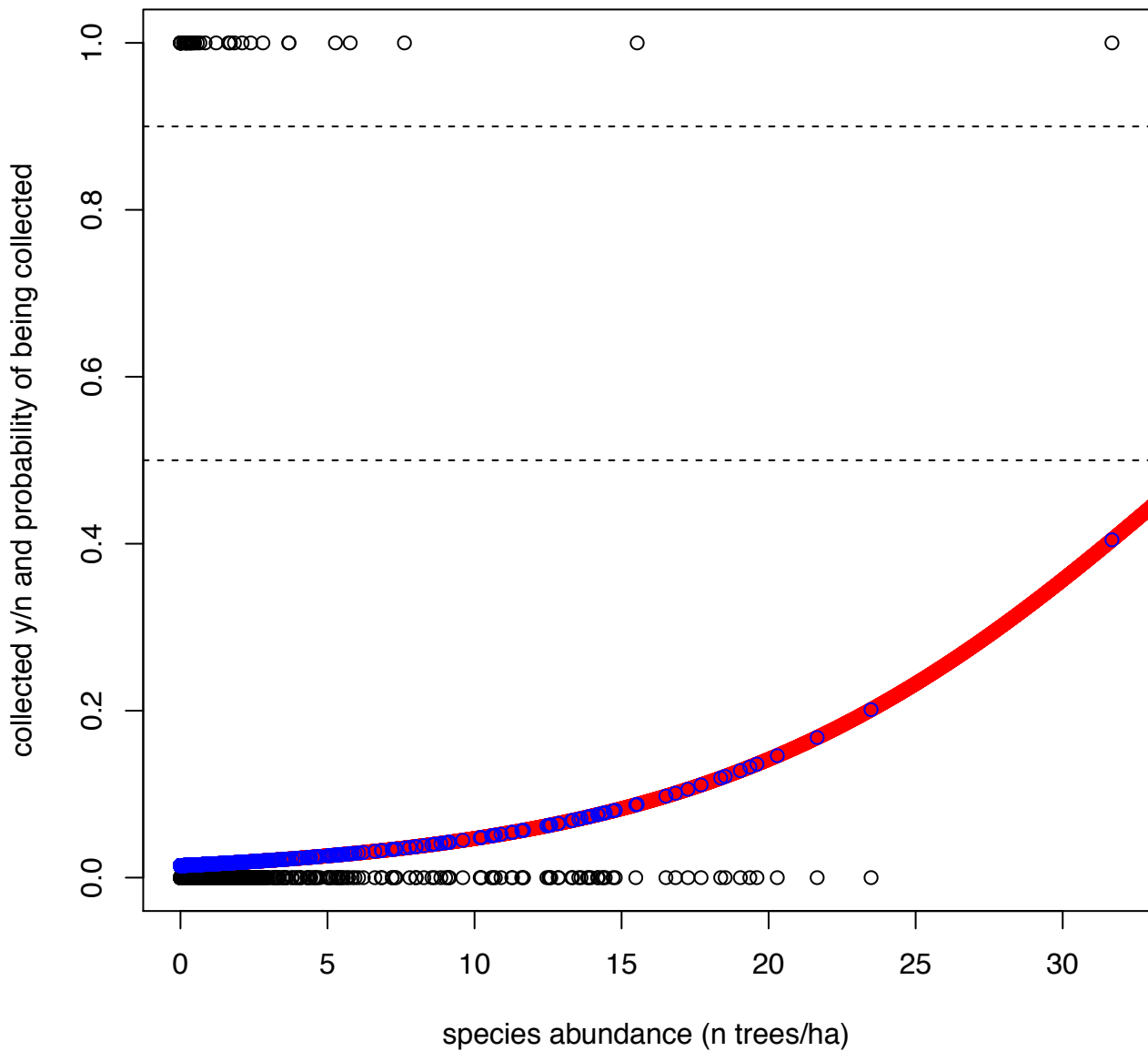
Gustavia_augusta – Non-significant



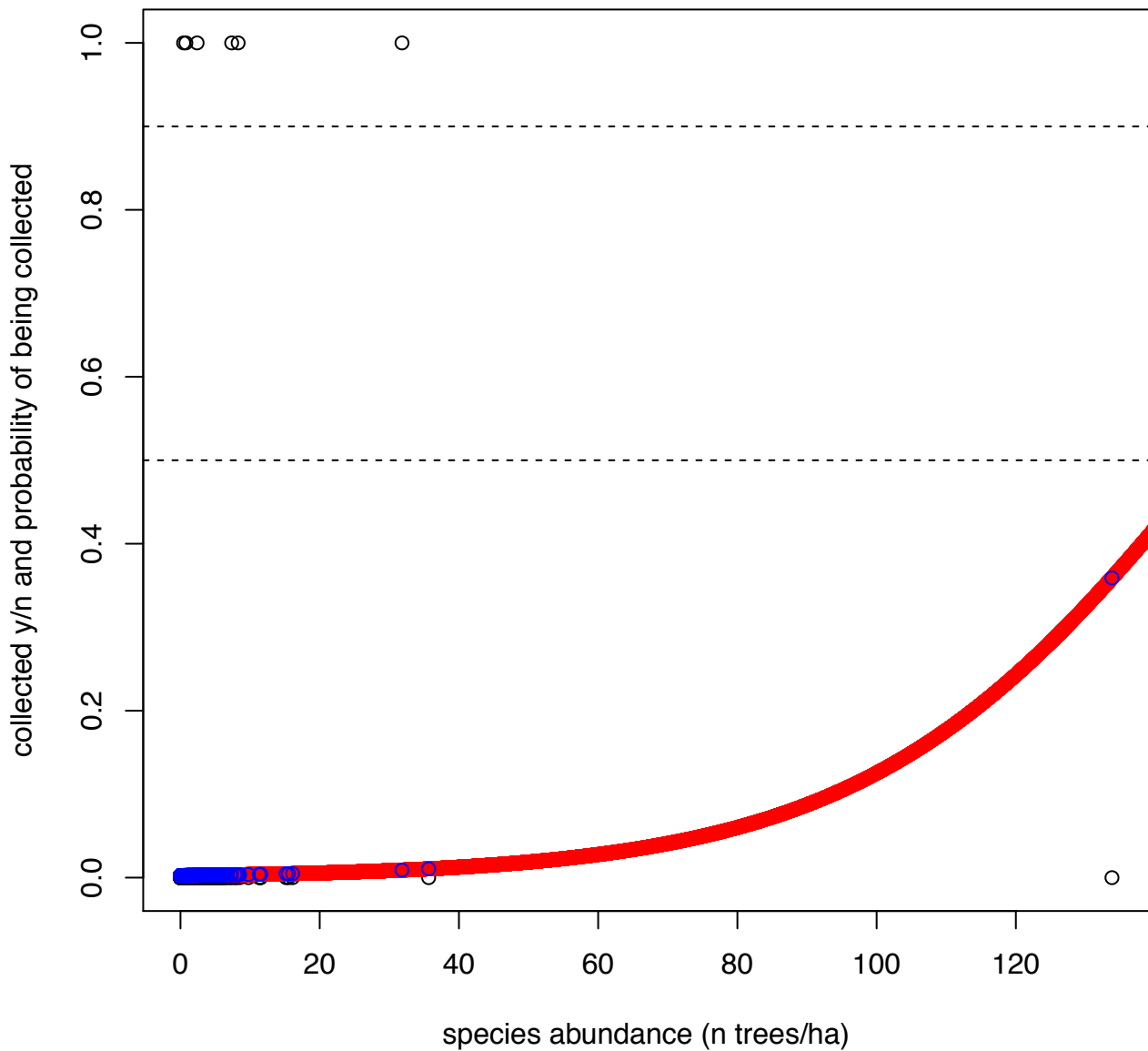
Gustavia_hexapetala – Significant



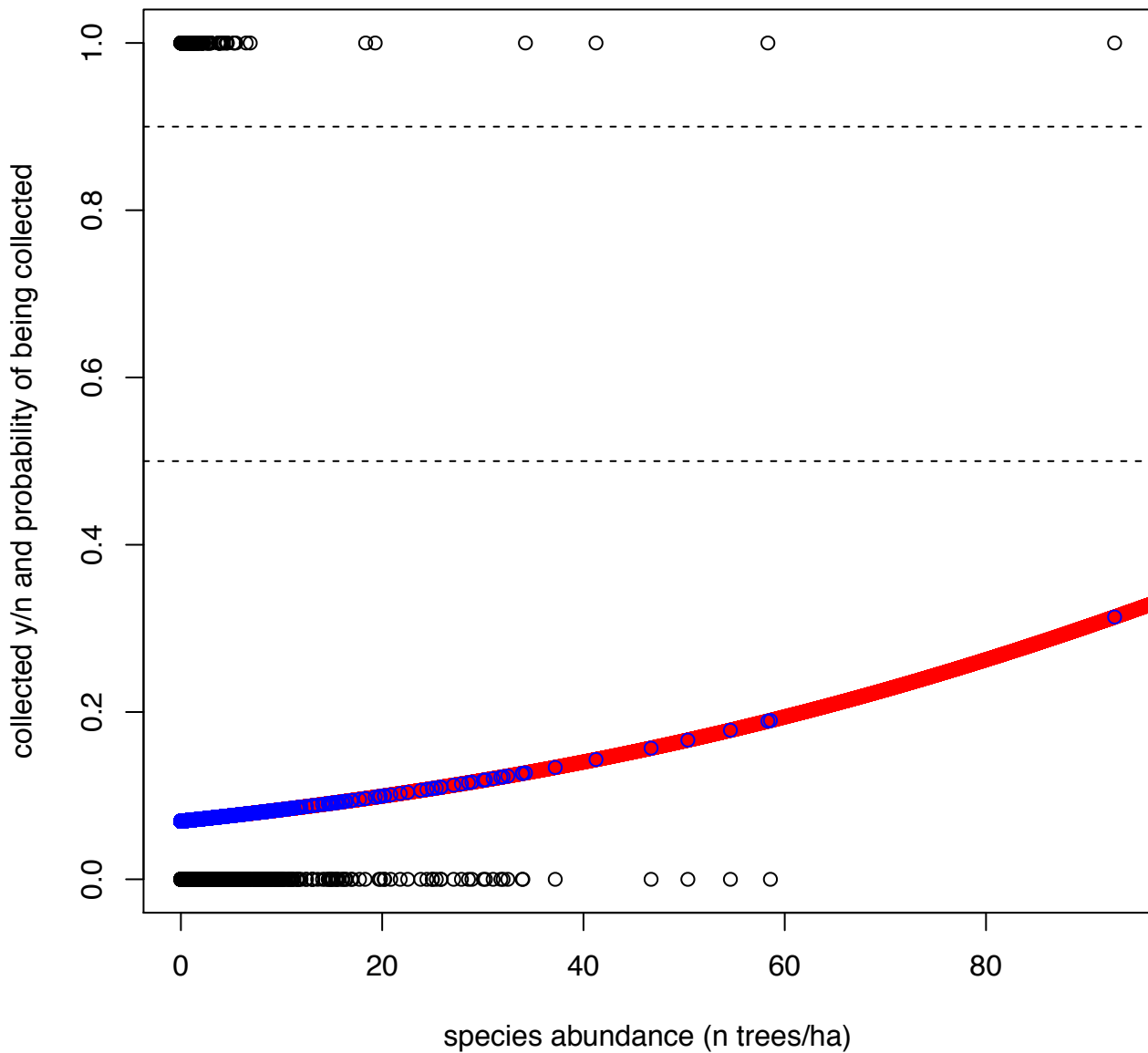
Handroanthus_barbatus – Significant



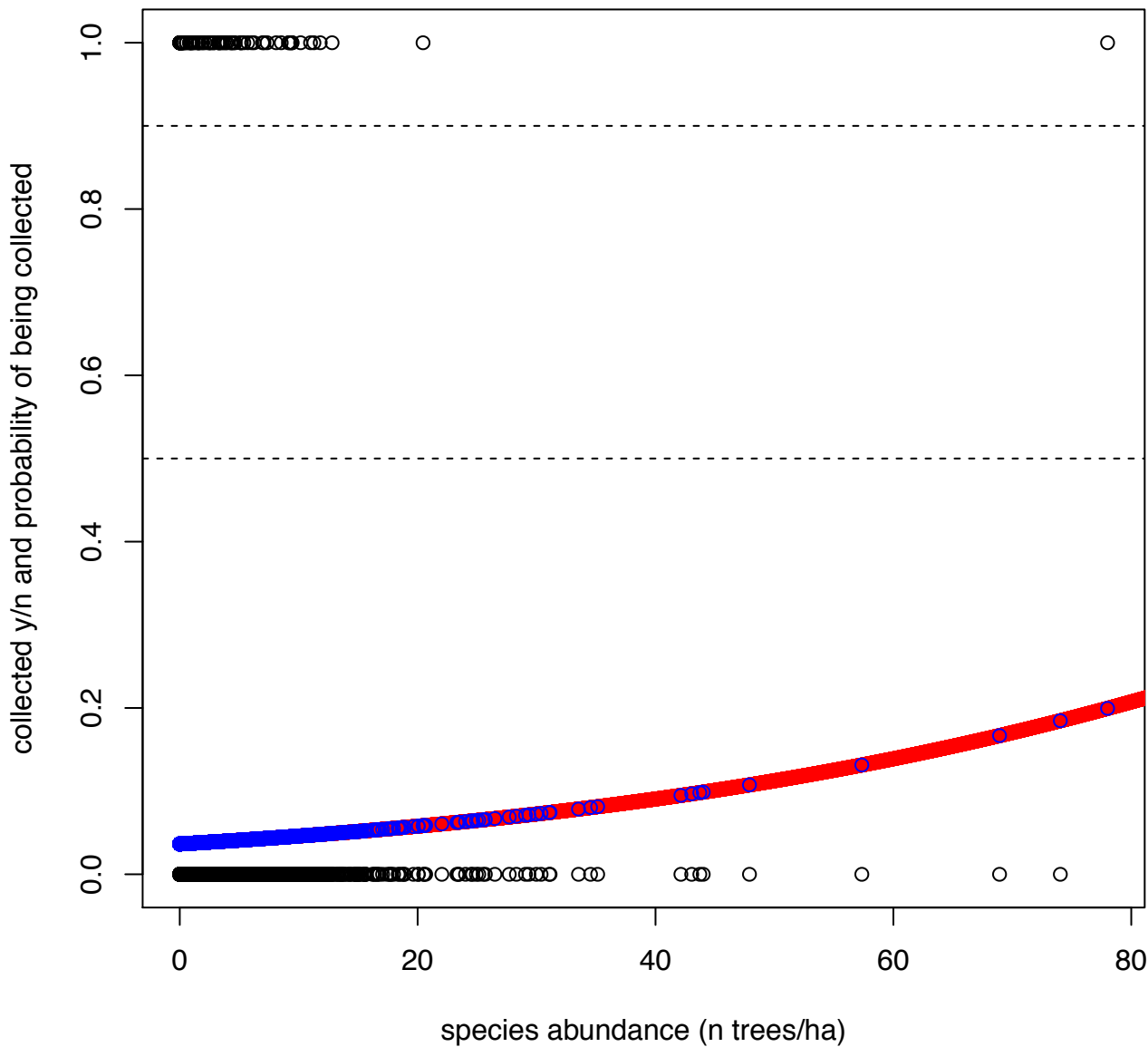
Haploclathra_cordata – Significant



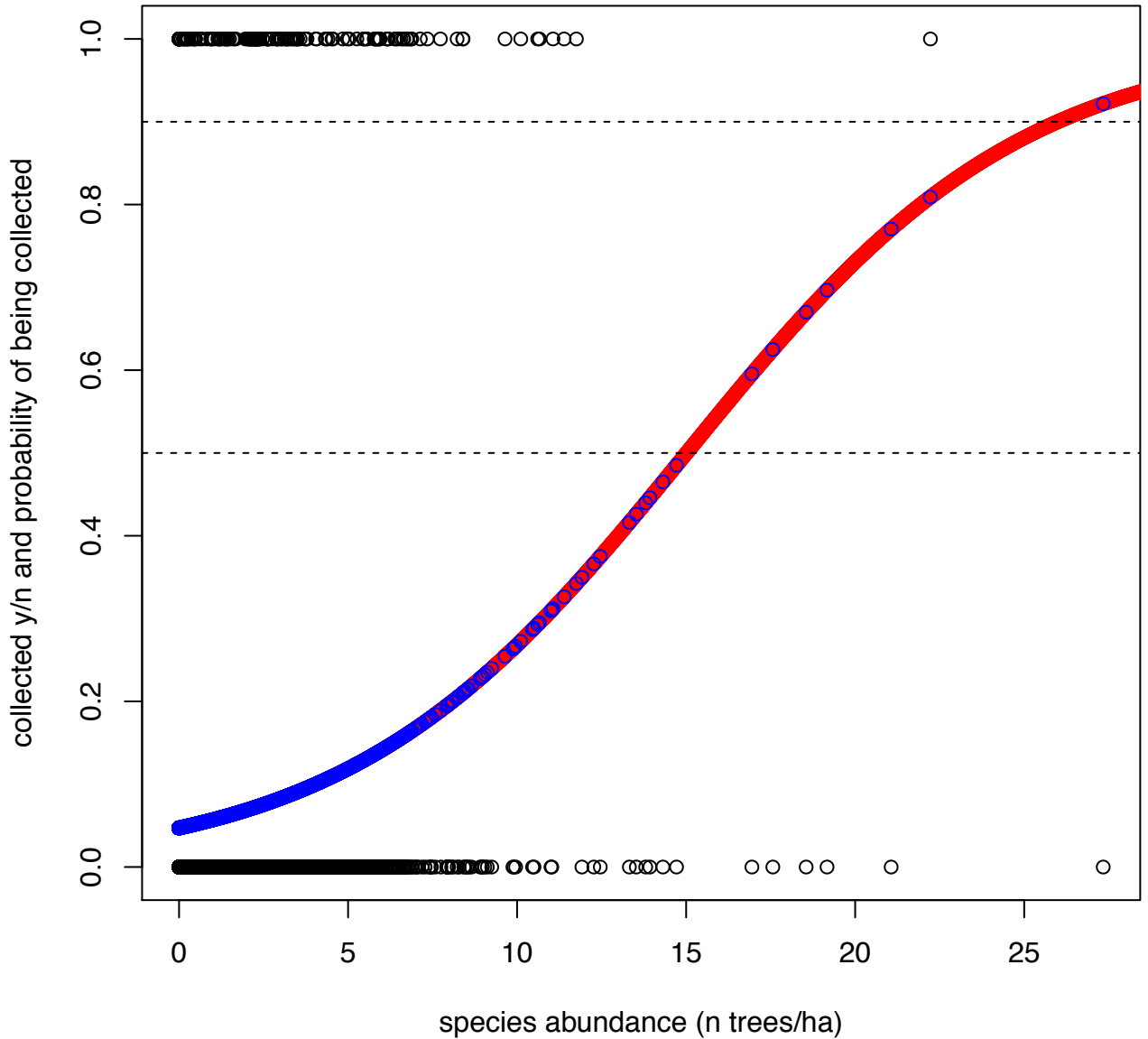
Helicostylis_tomentosa – Non-significant



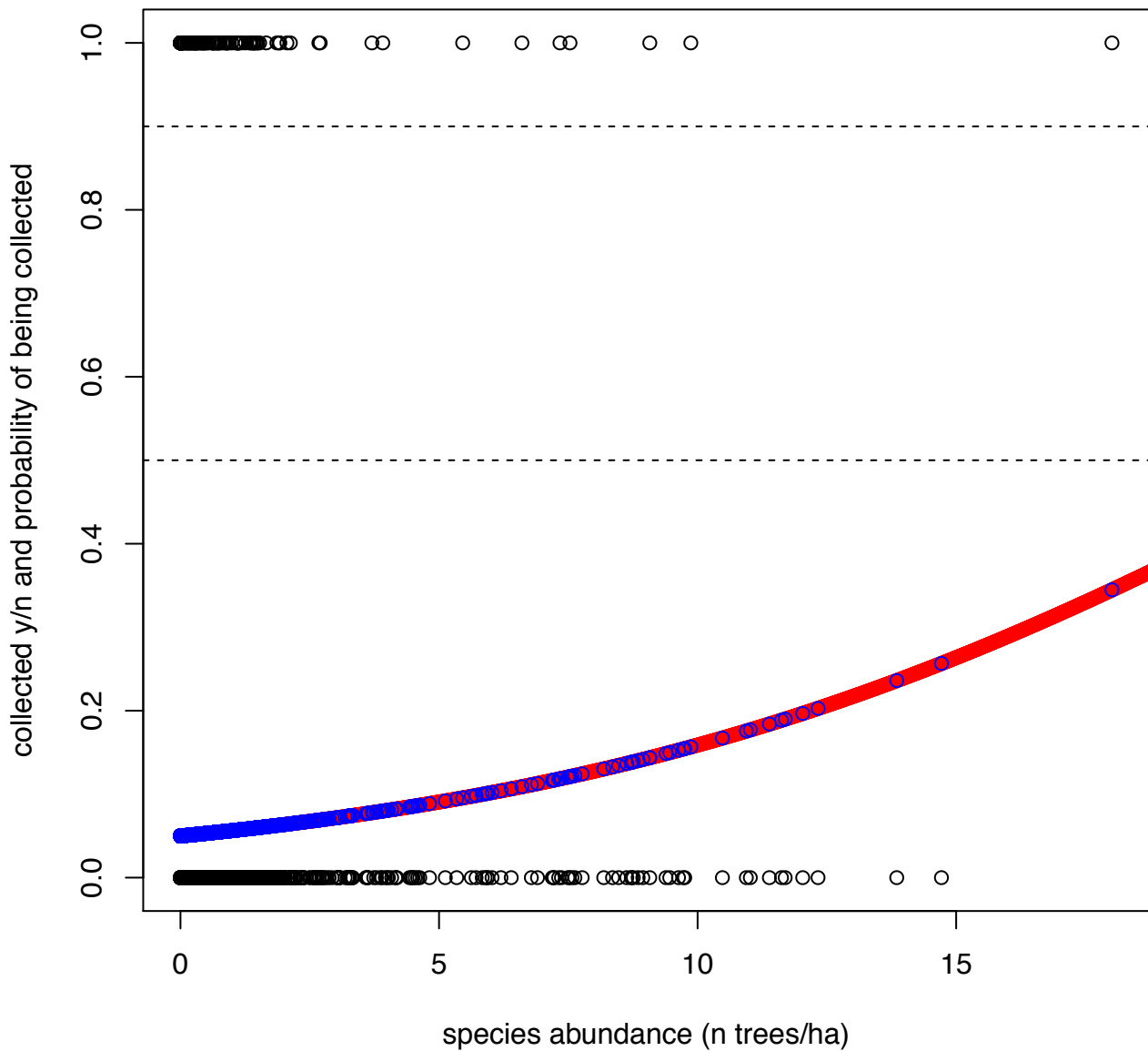
Hevea_brasiliensis – Non-significant



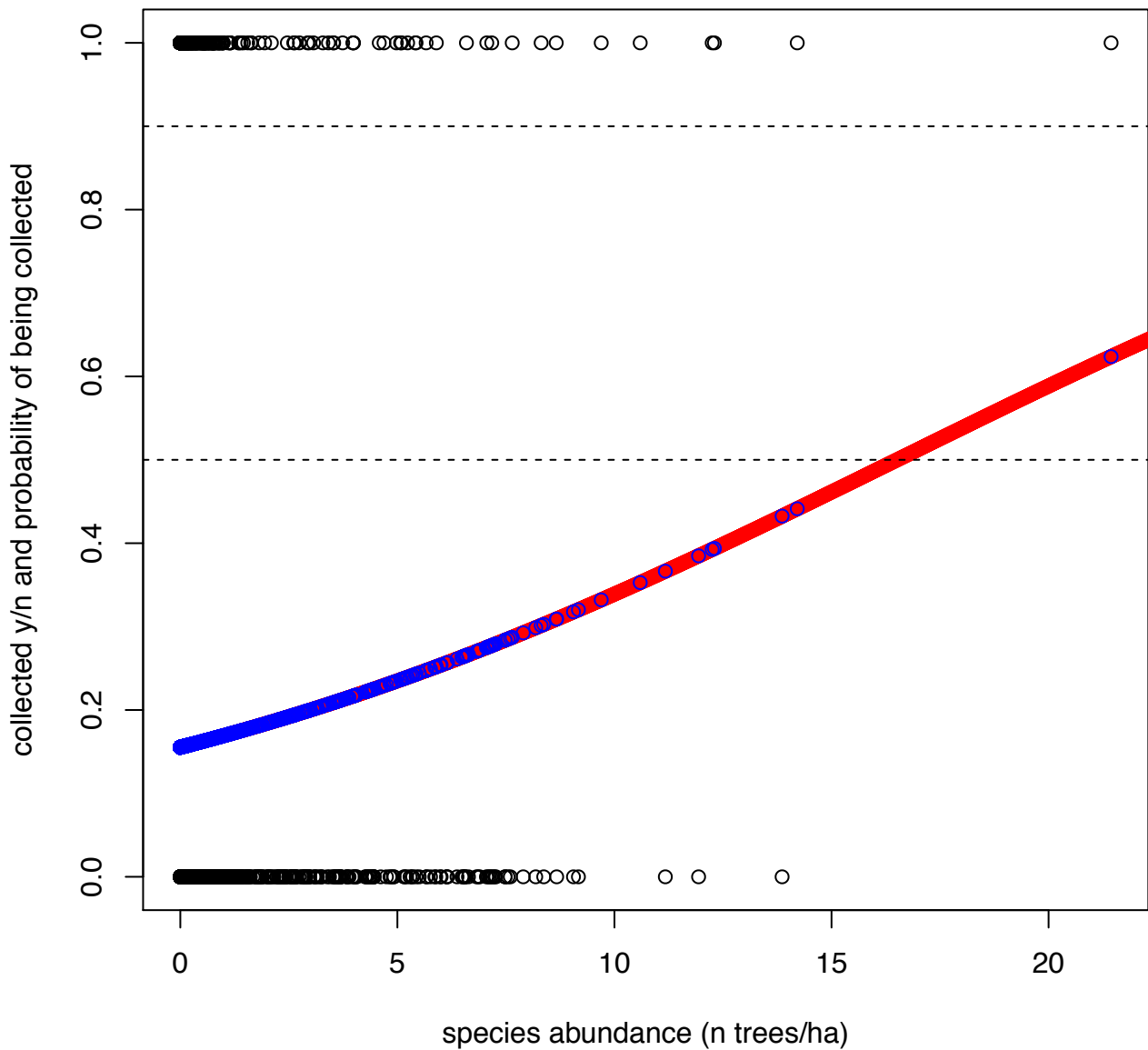
Hevea_guianensis – Significant



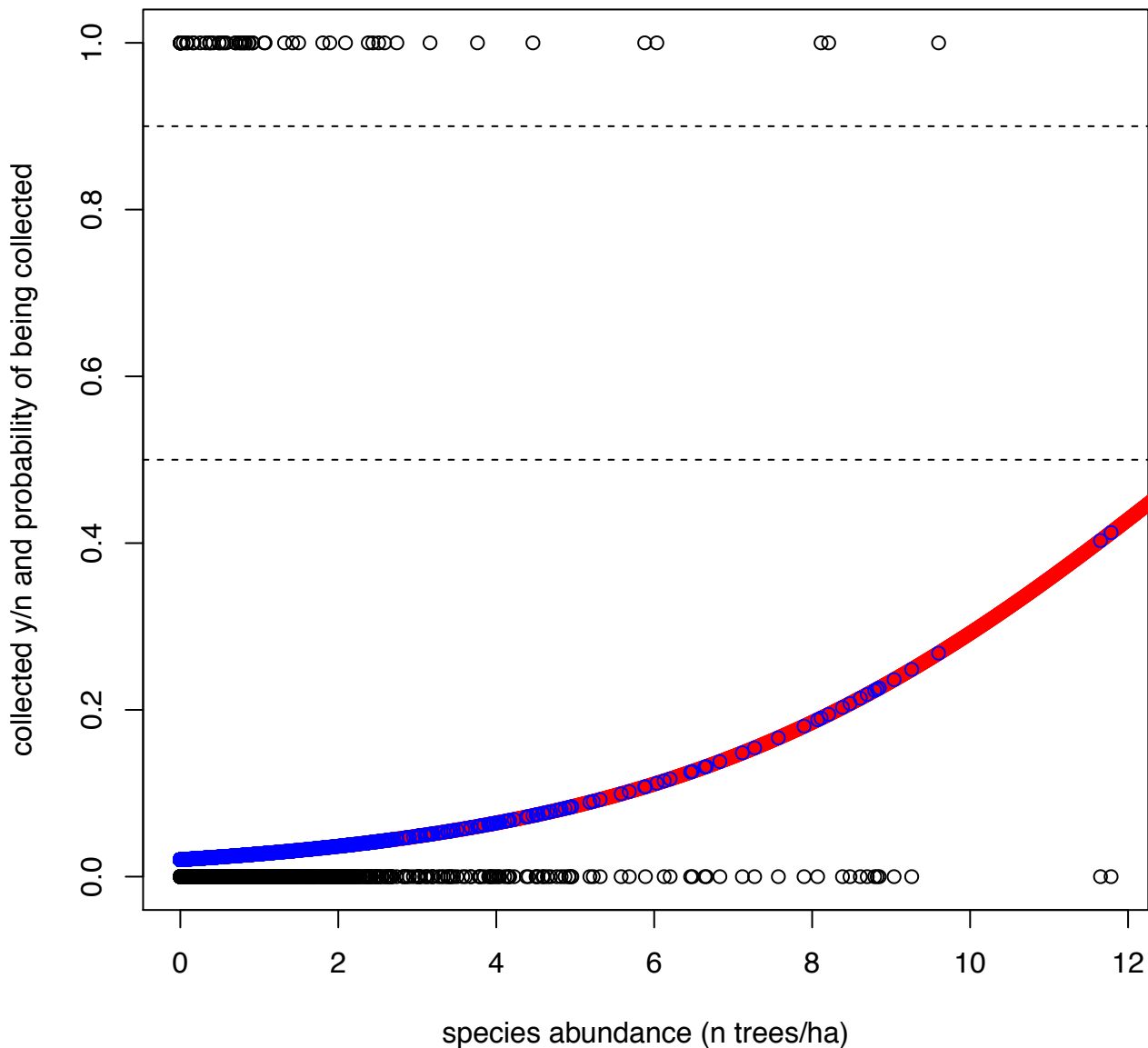
Himatanthus_sucuuba – Significant



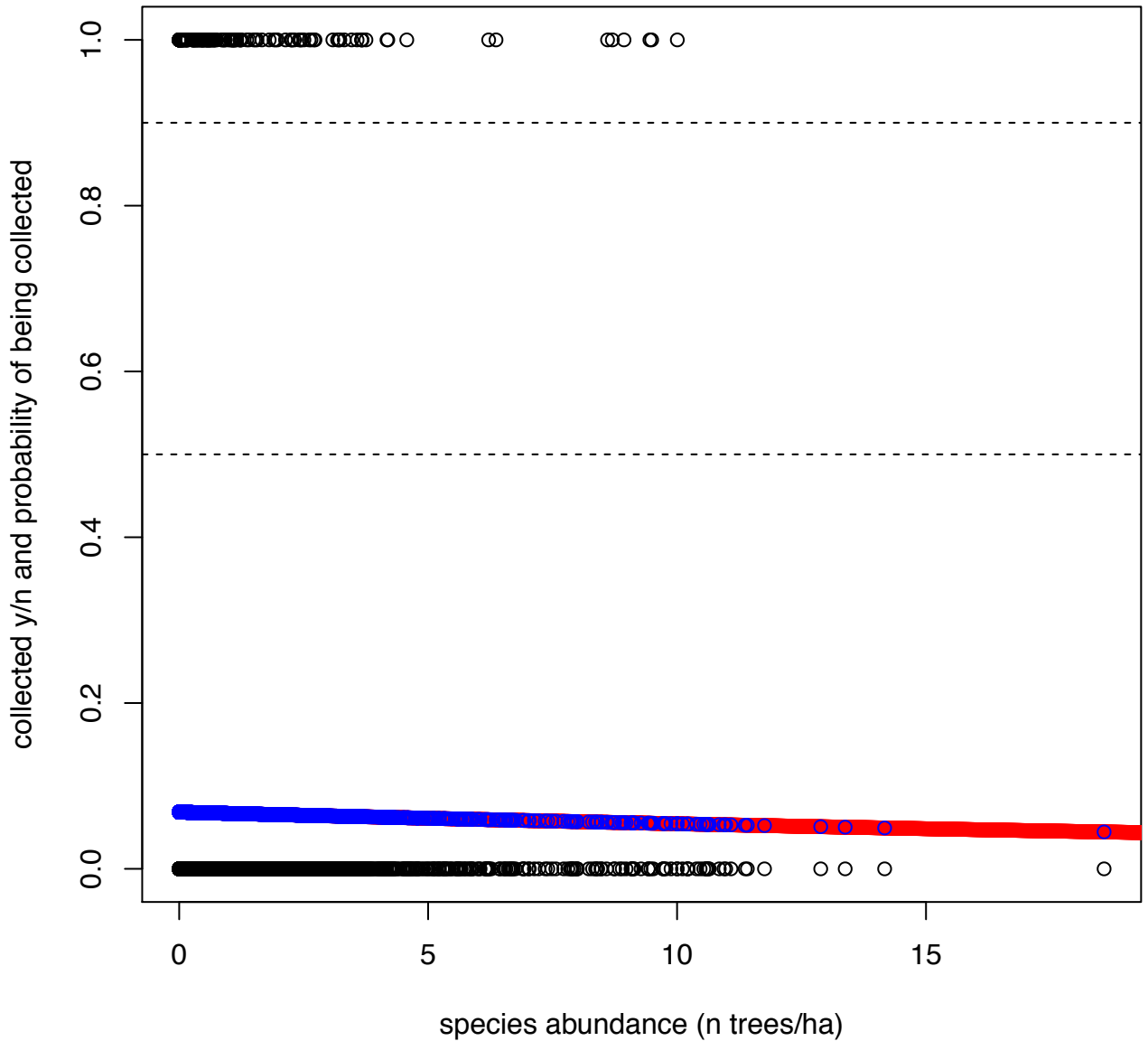
Hirtella_racemosa – Significant



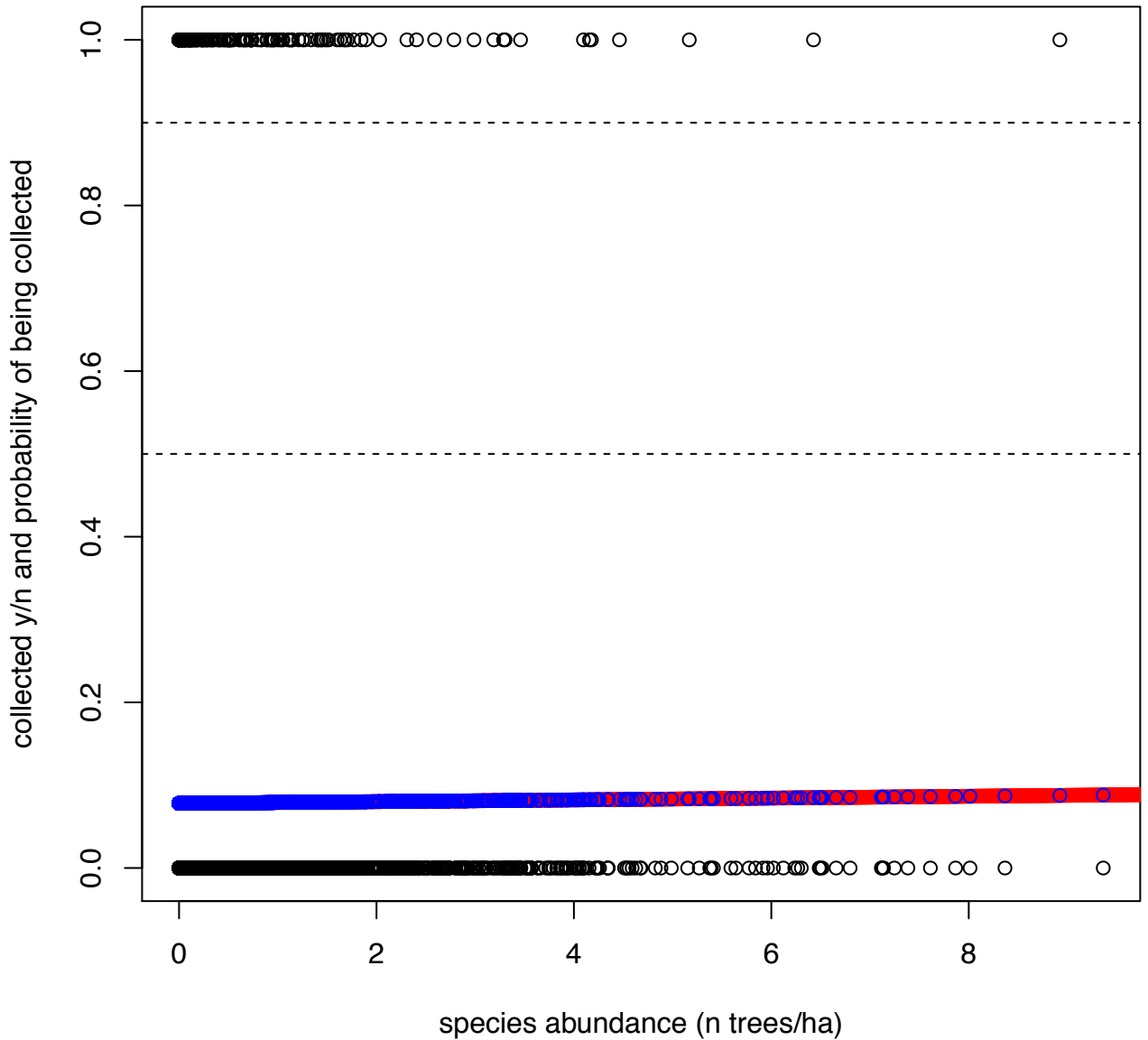
Hura_crepitans – Significant



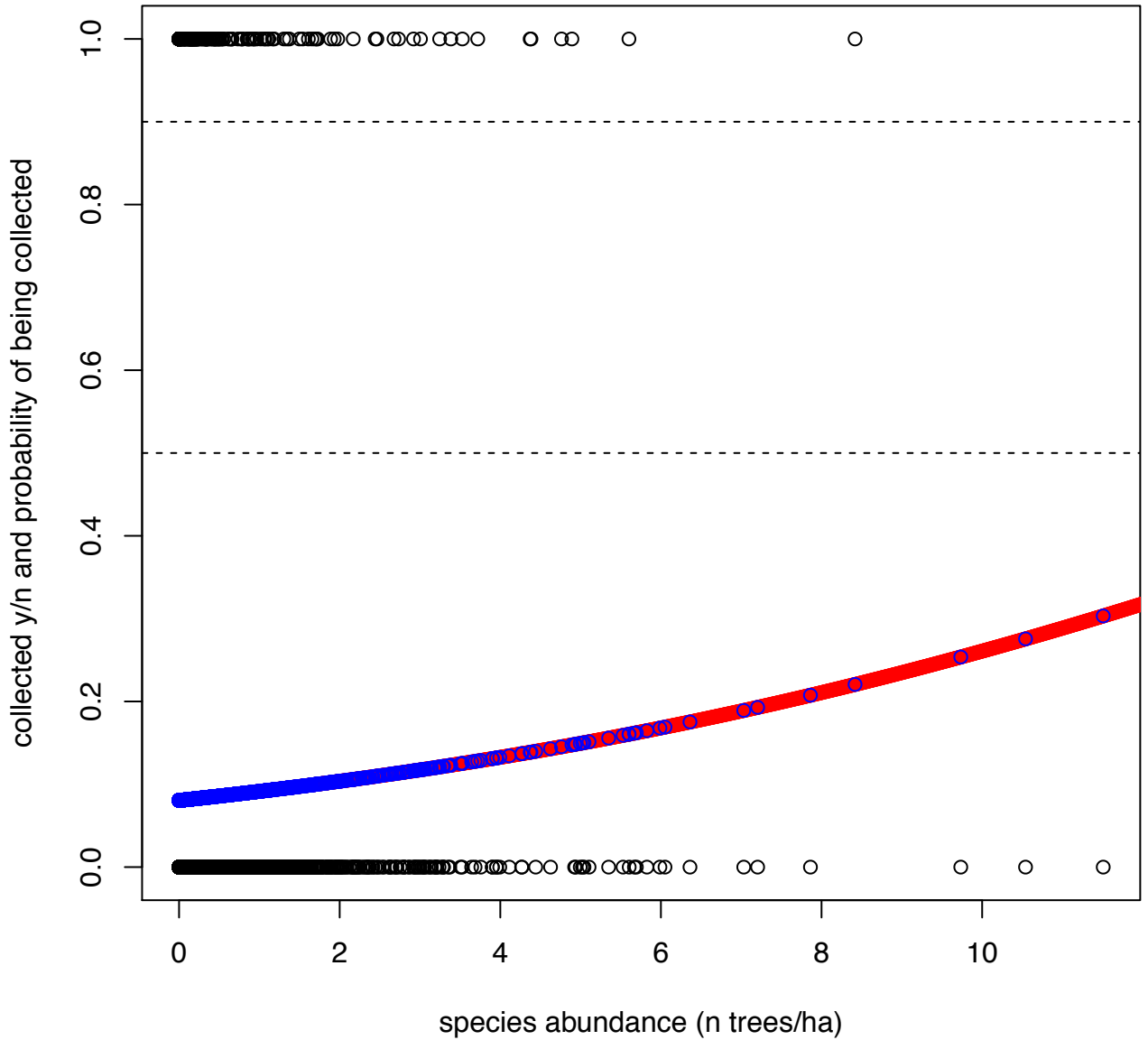
Inga_alba - Non-significant



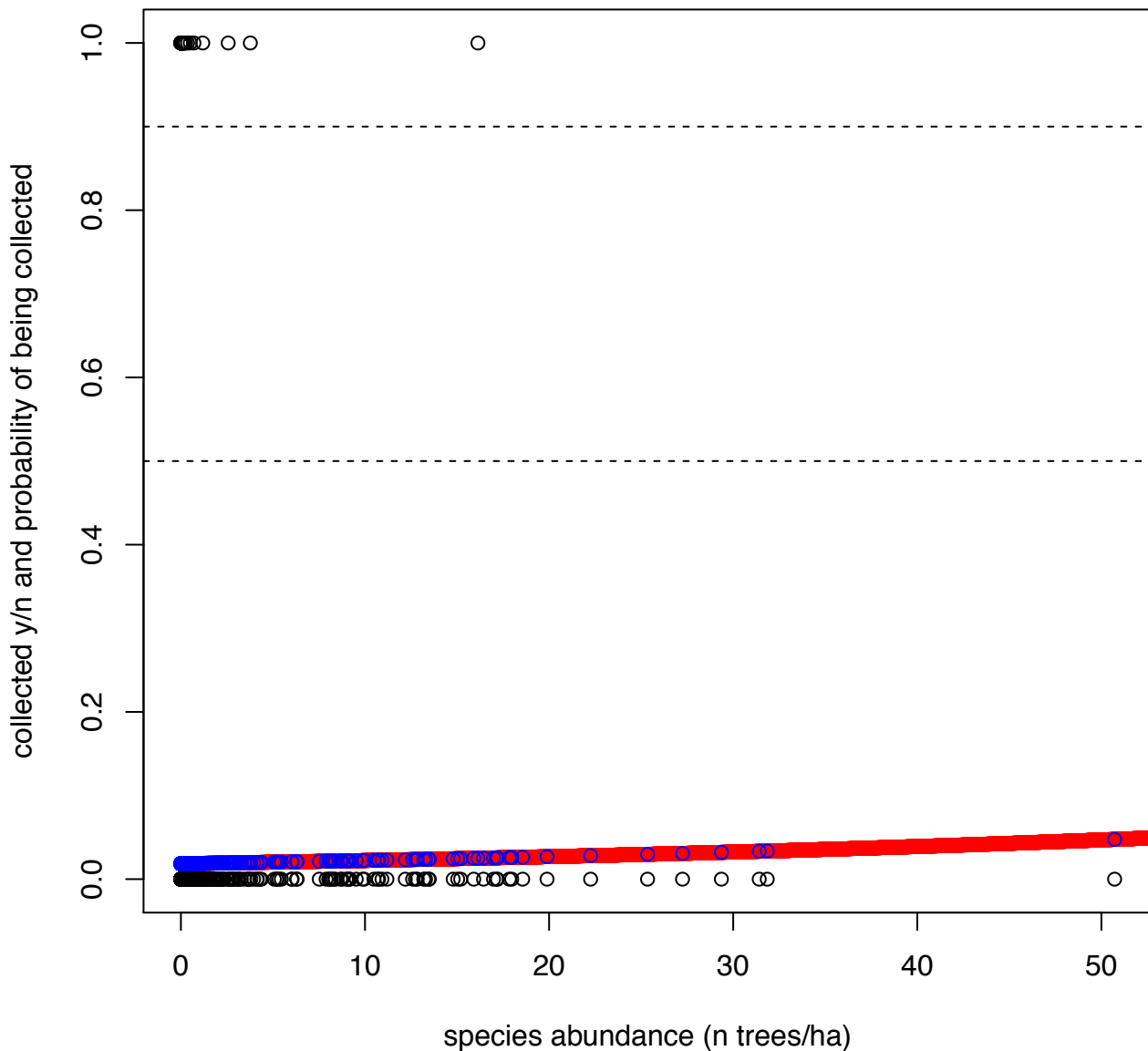
Inga_capitata – Non-significant



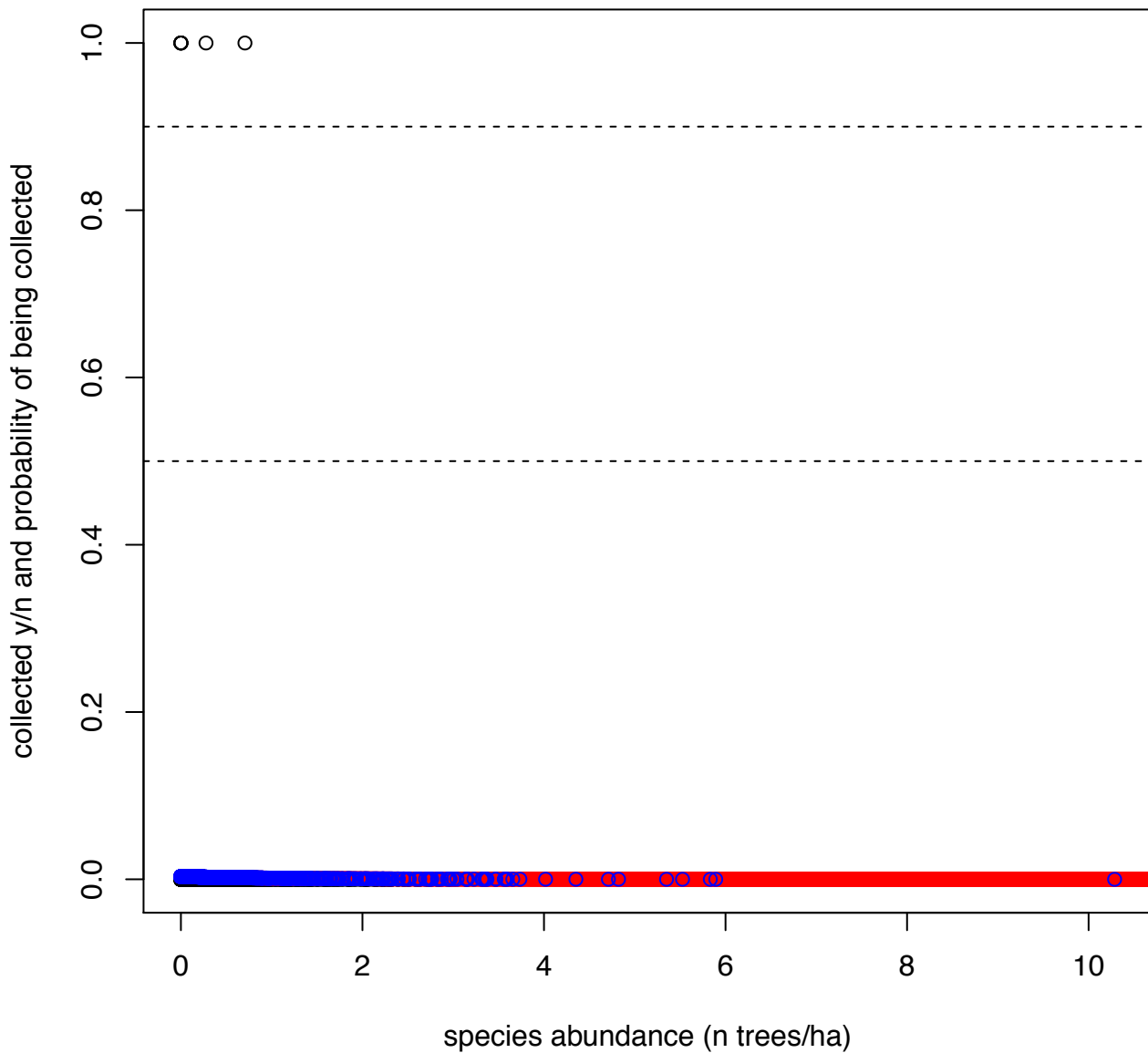
Inga_edulis – Significant



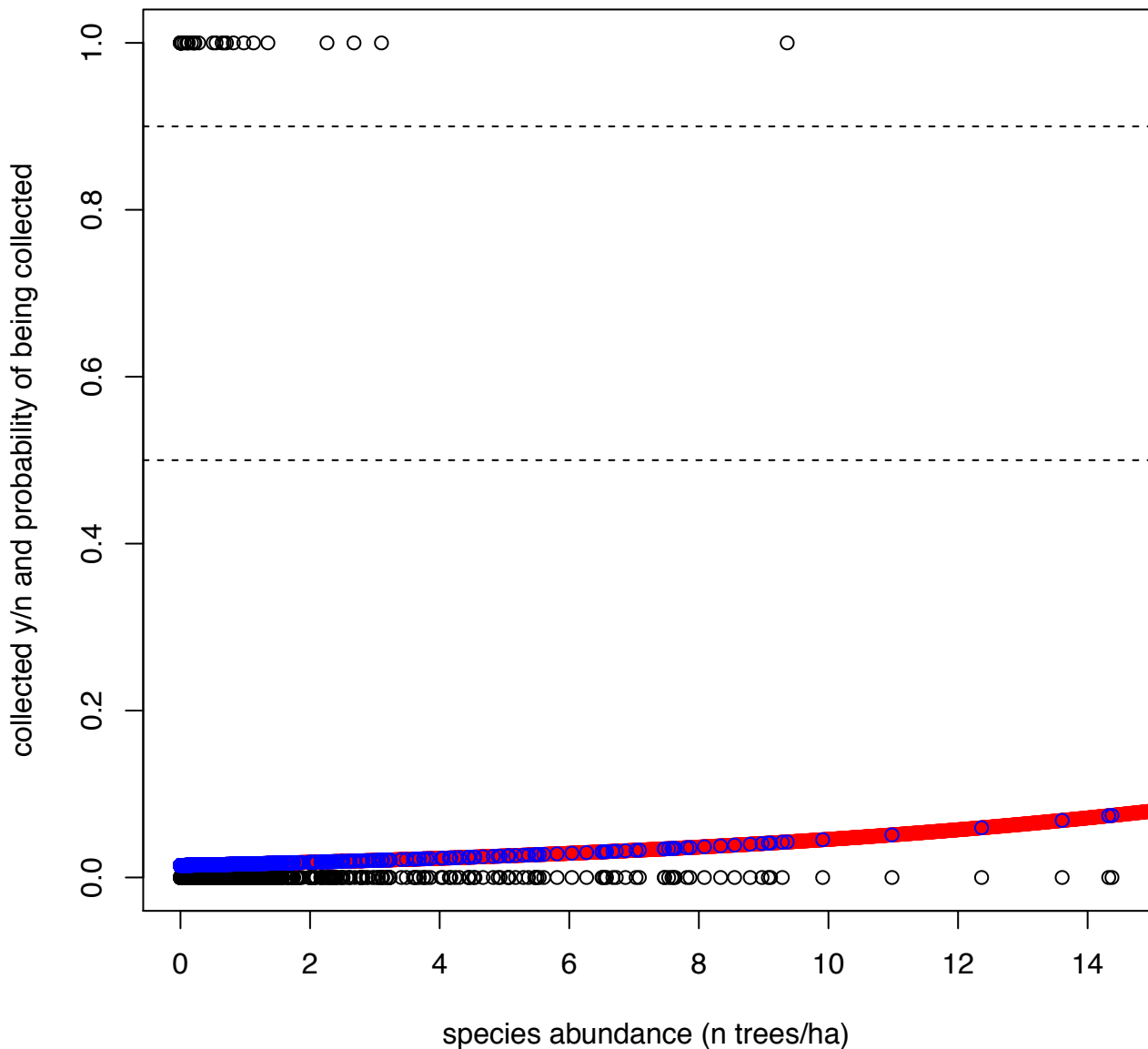
Inga_lateriflora – Non-significant



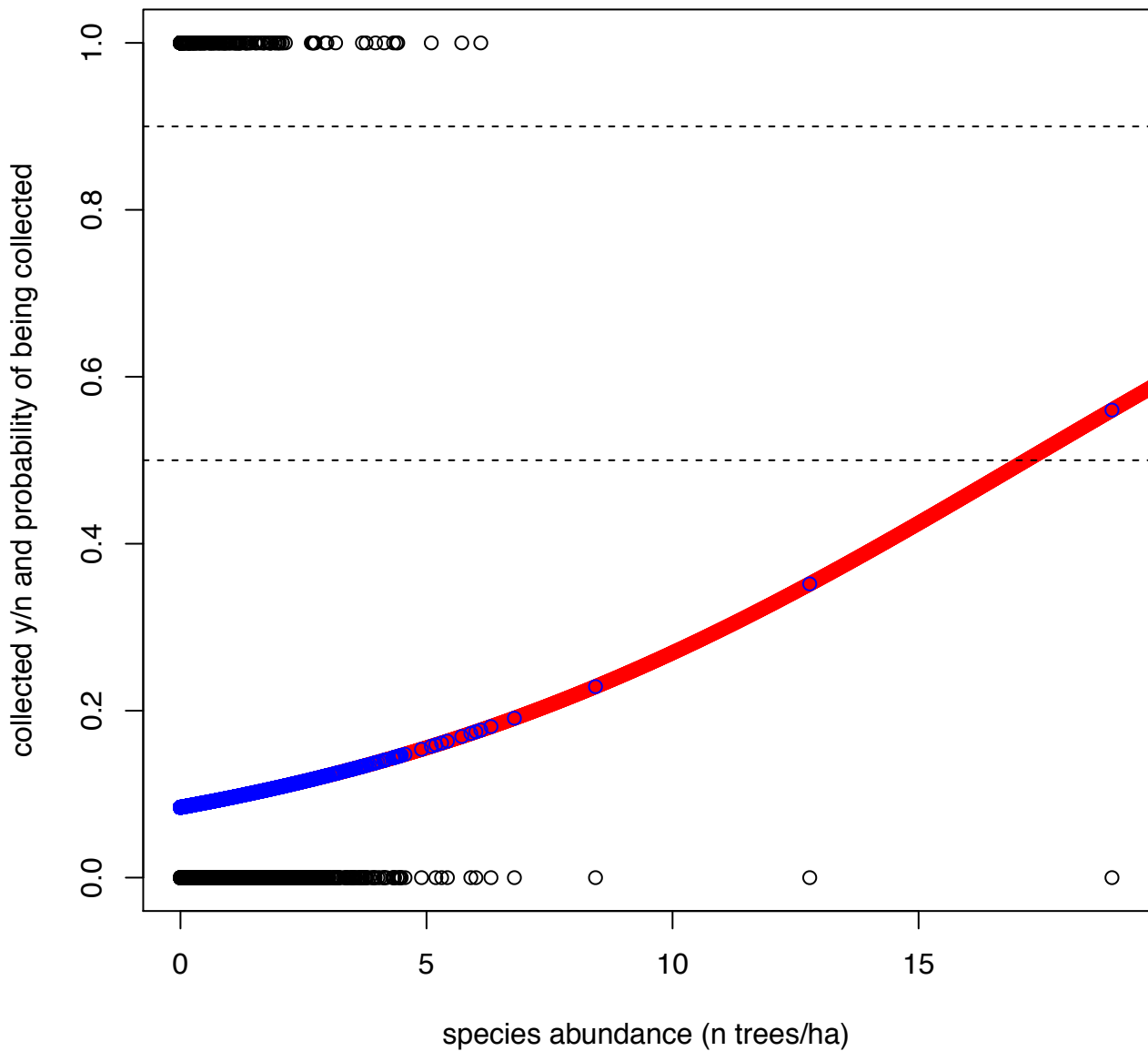
Inga_marginata – Non-significant



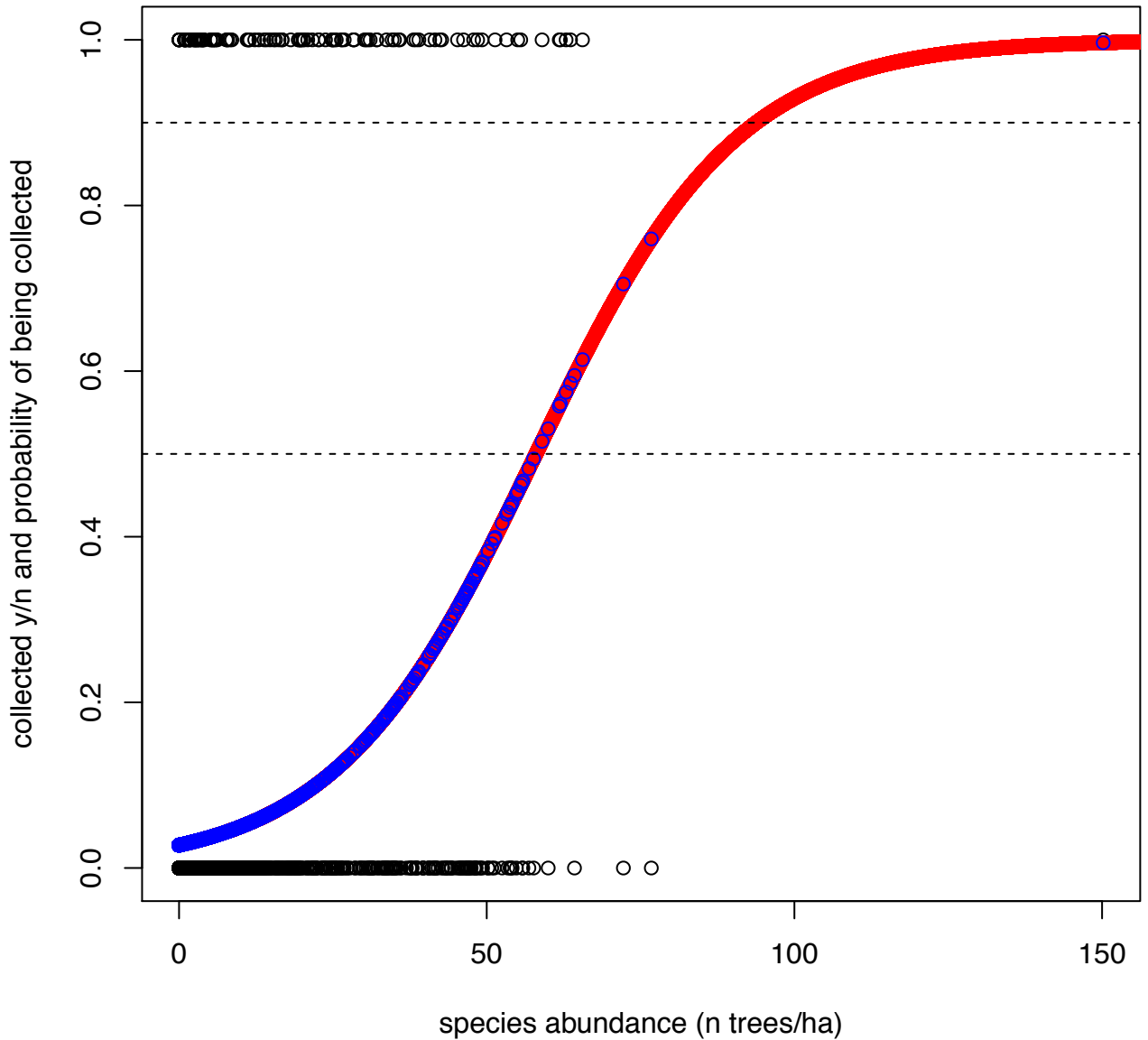
Inga_rubiginosa – Non-significant



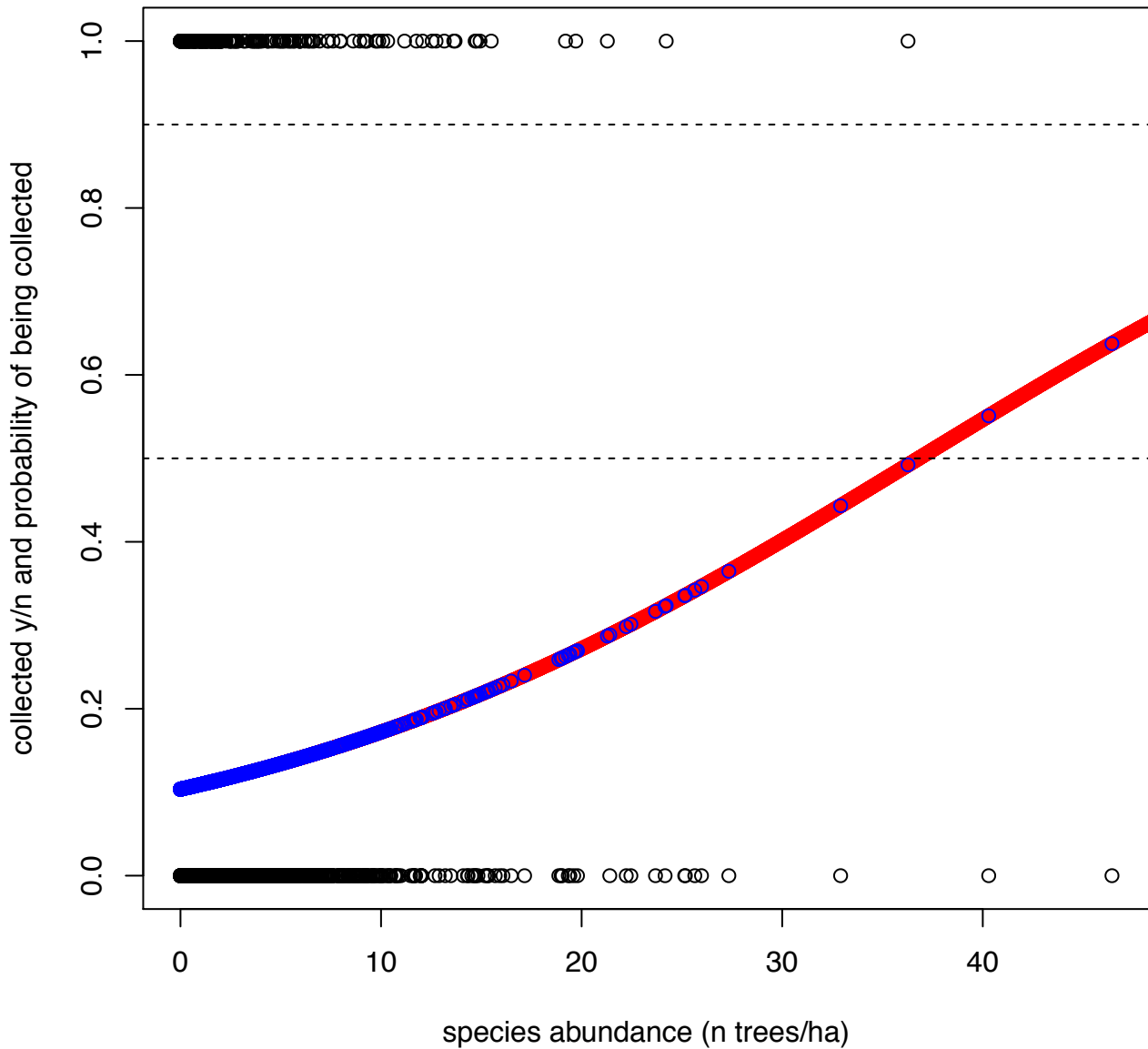
Inga_thibaudiana – Significant



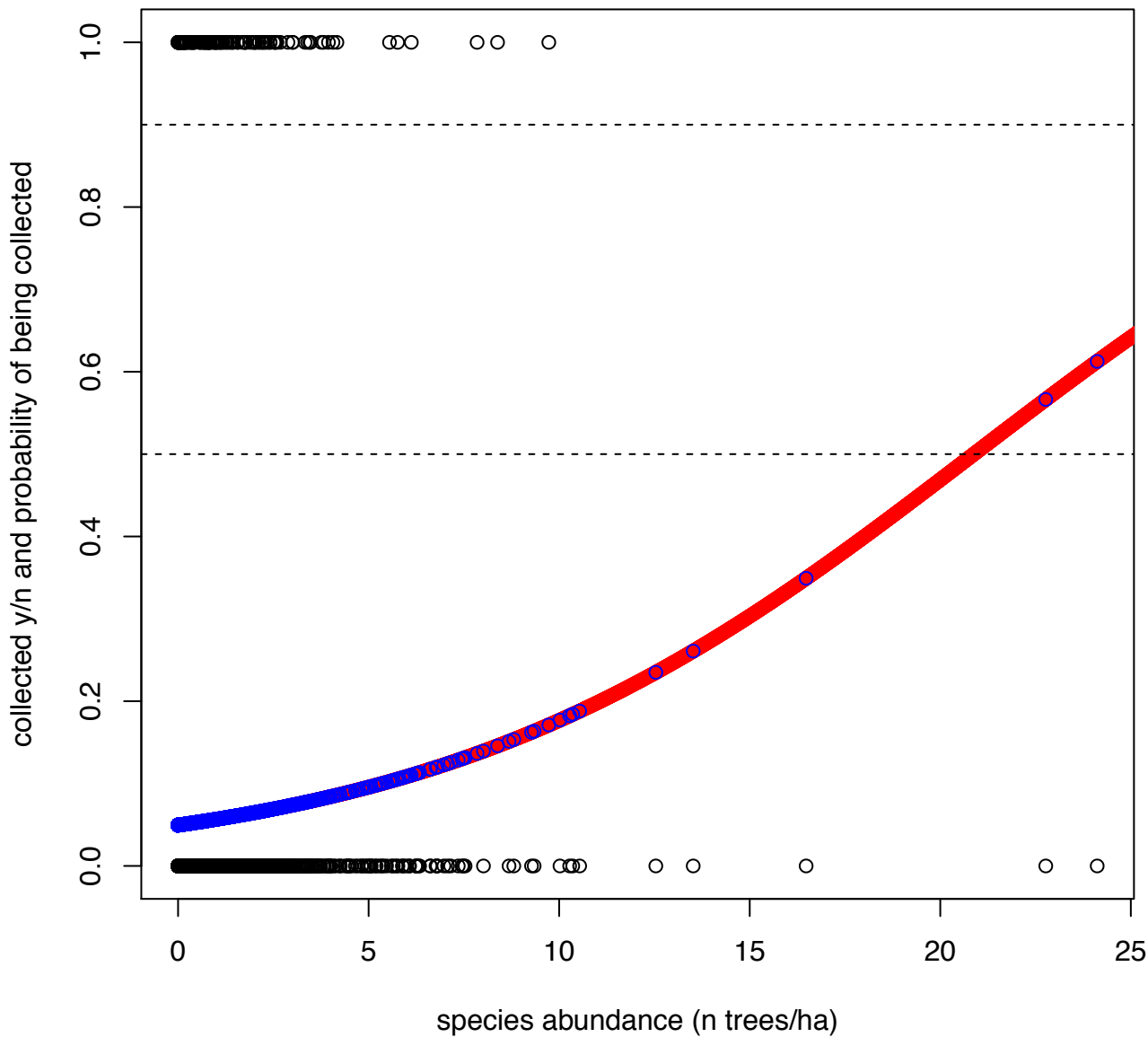
Iriartea_deltoidea – Significant



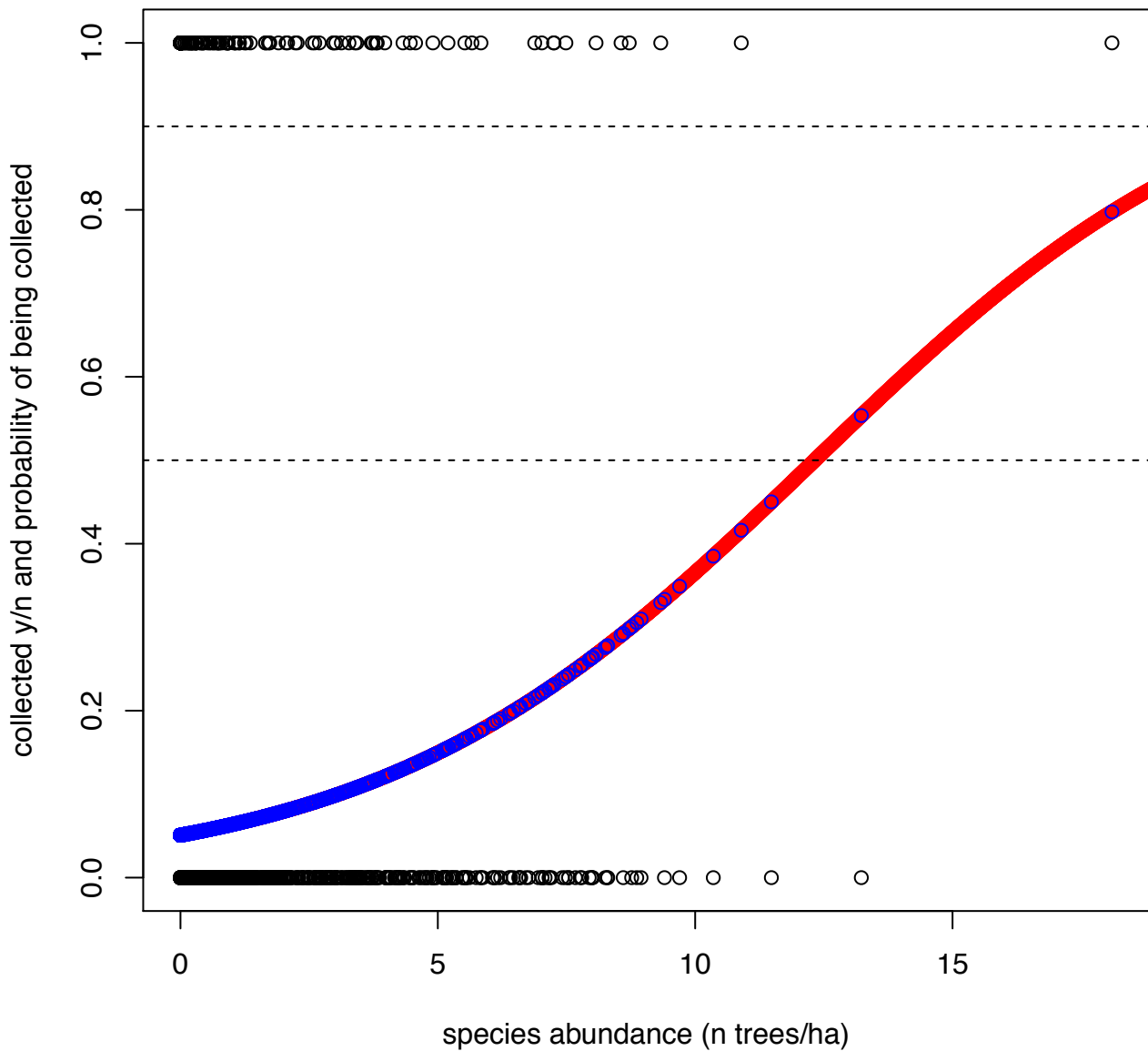
Iryanthera_juruensis – Significant



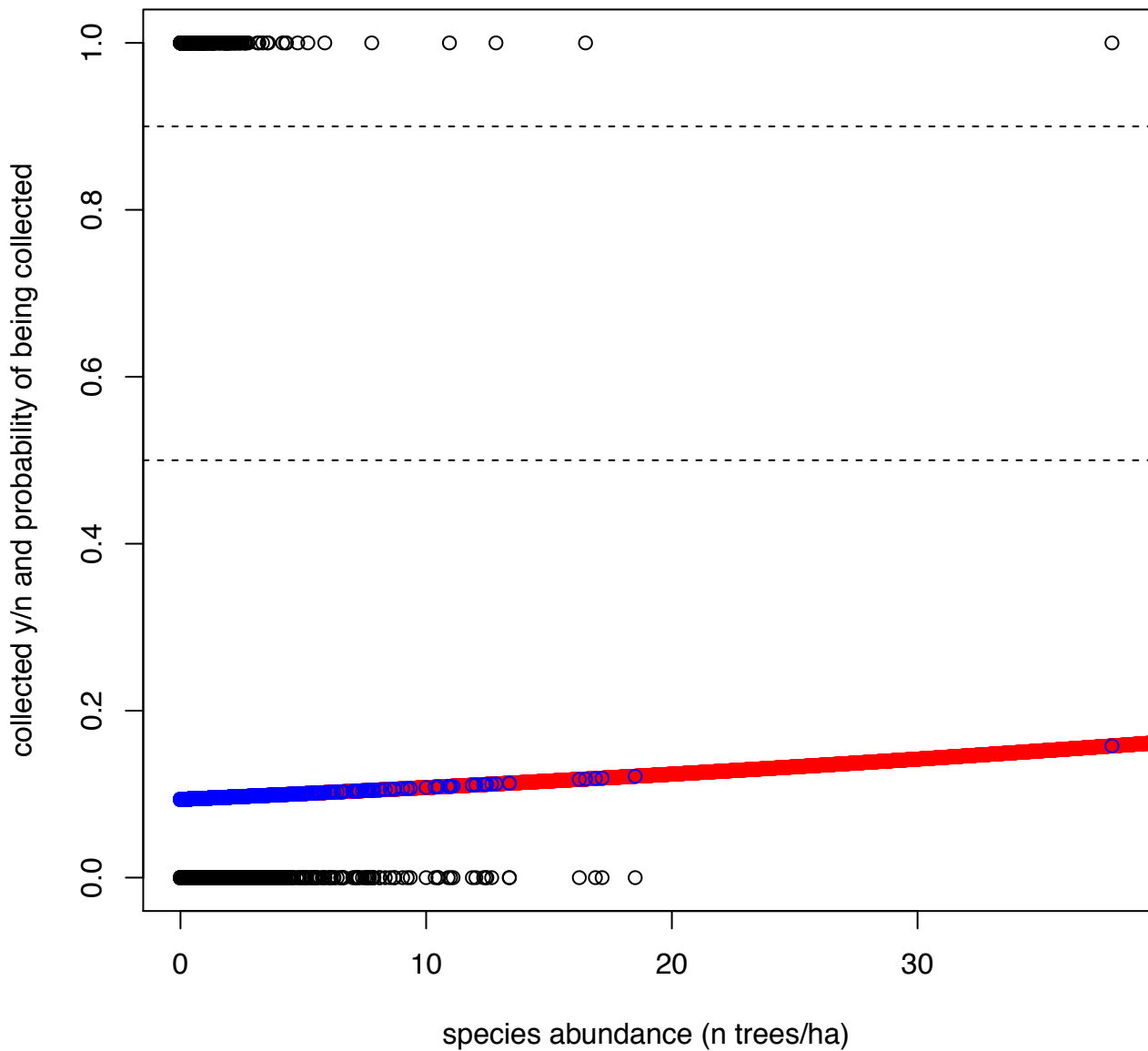
Iryanthera_laevis – Significant



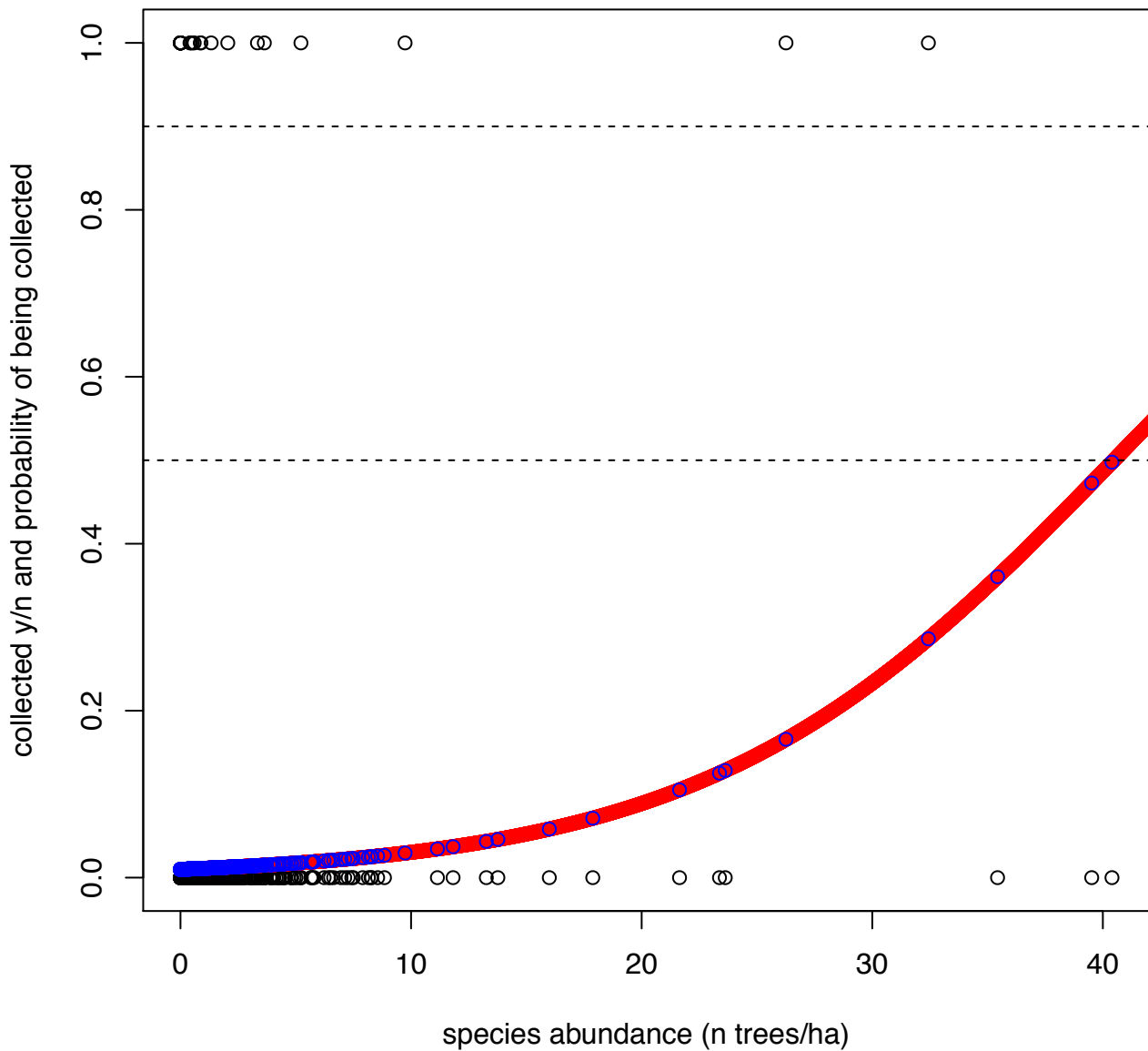
Iryanthera_ulei – Significant



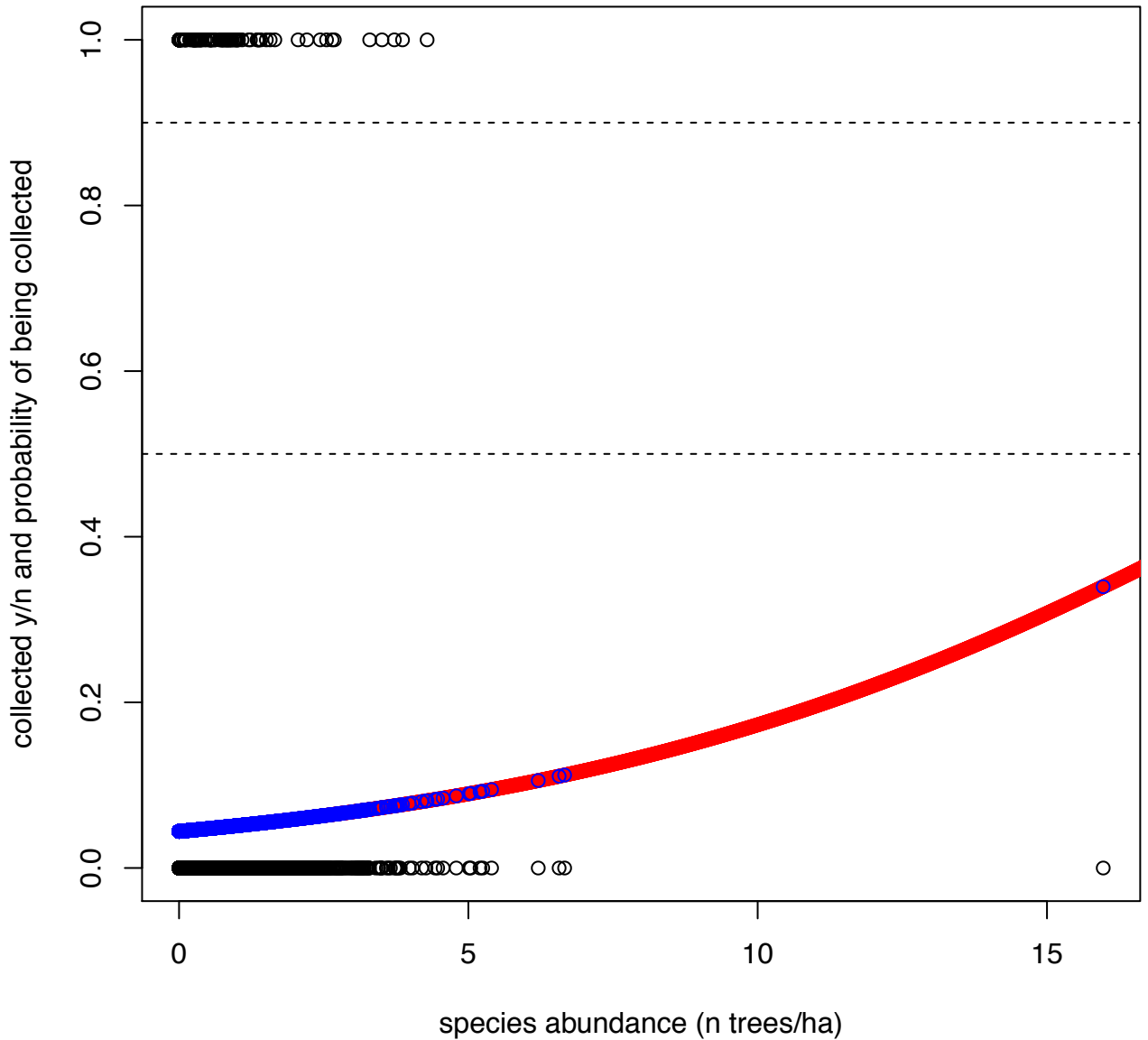
Jacaranda_copaia – Non-significant



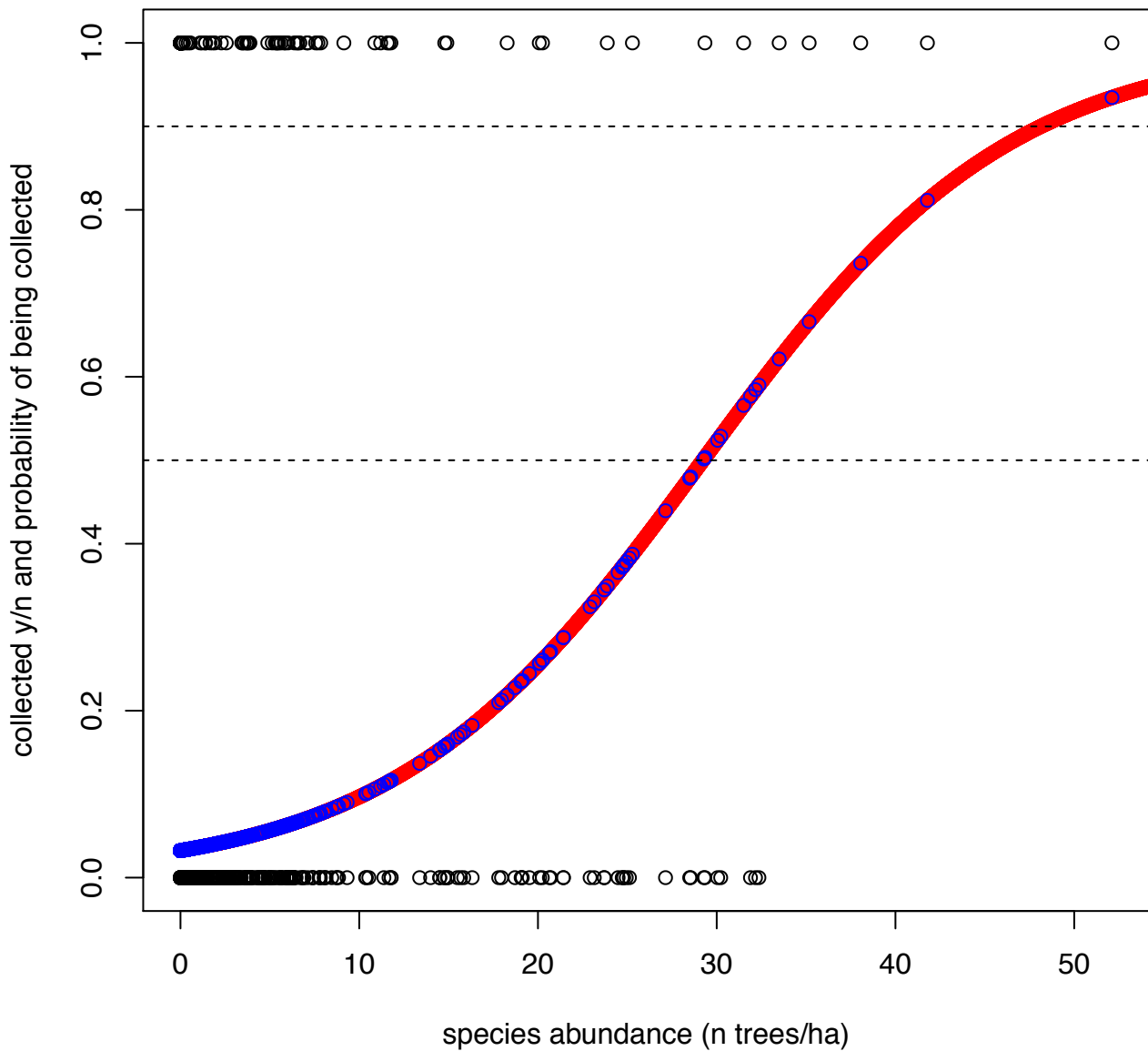
Laetia_corymbulosa – Significant



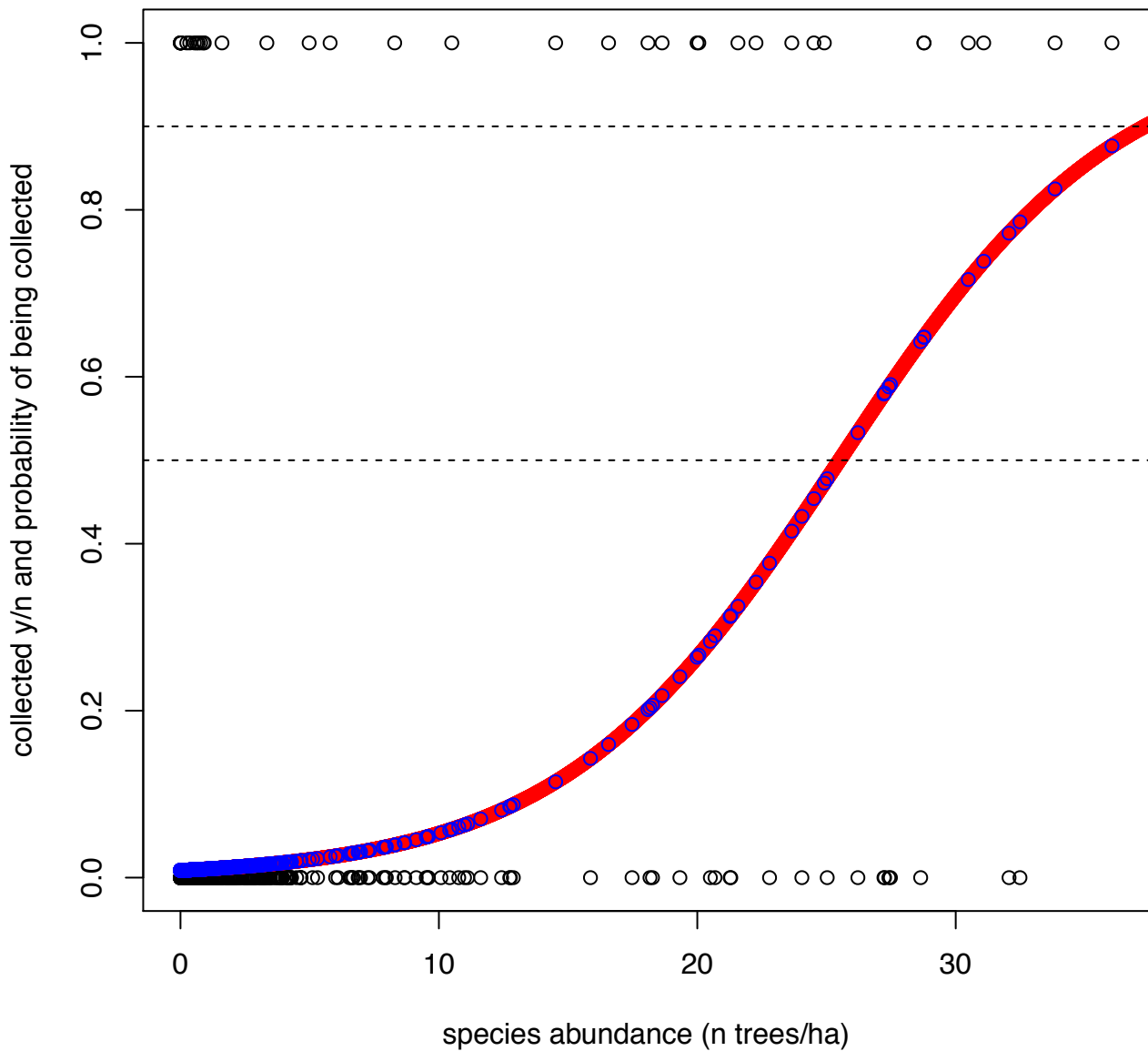
Laetia_procera – Non-significant



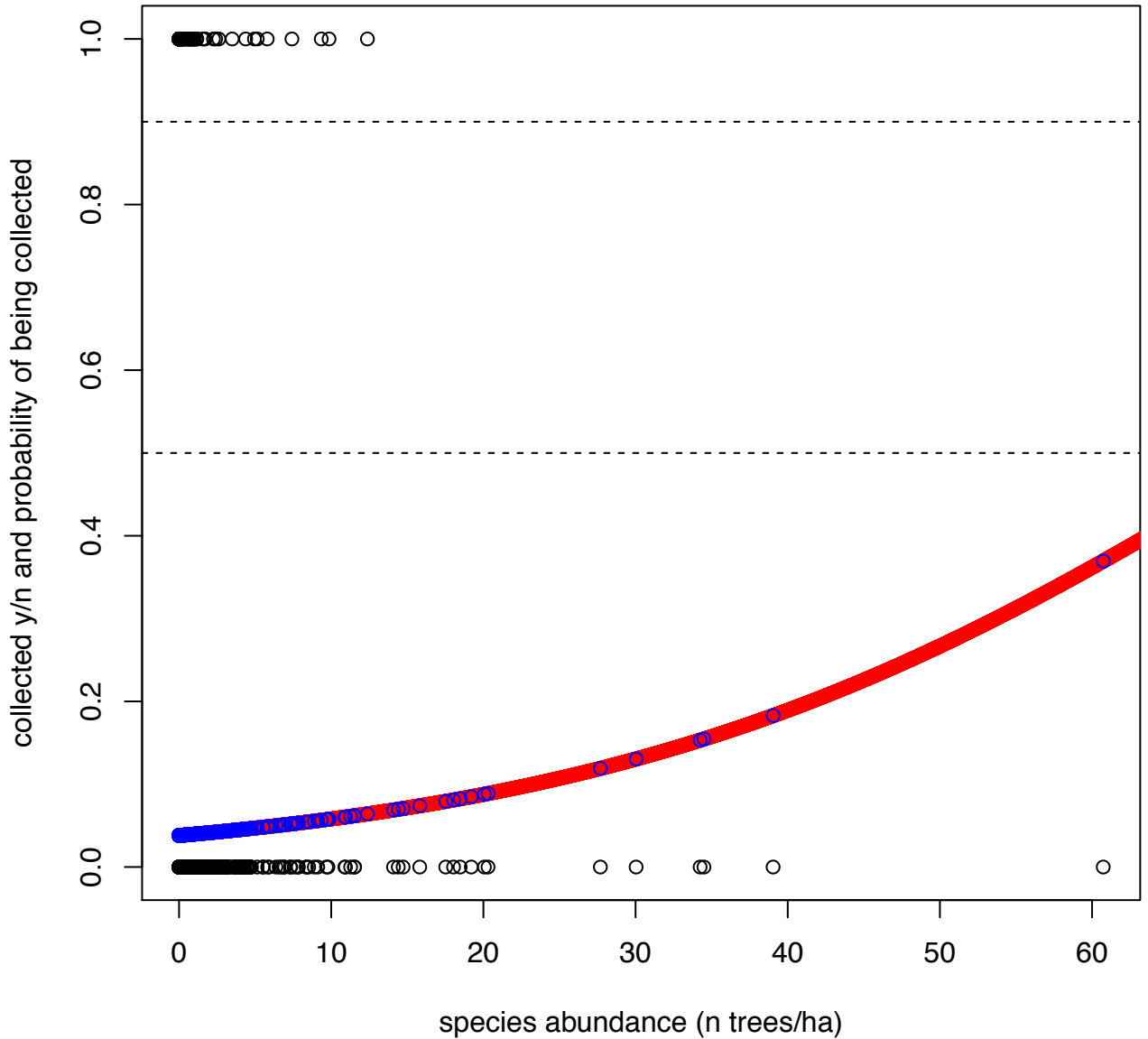
Lecythis_corrugata – Significant



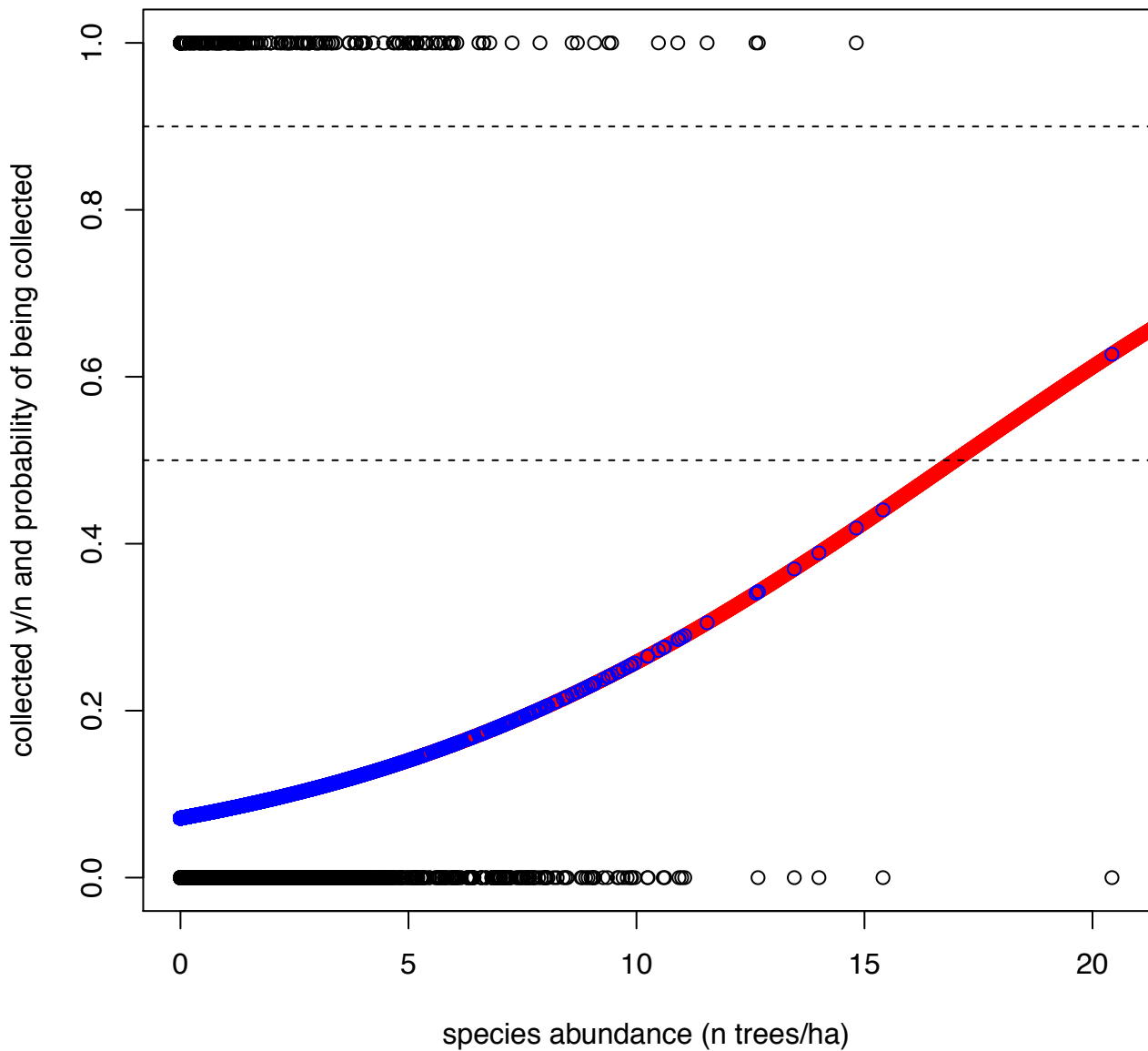
Lecythis_idatimon – Significant



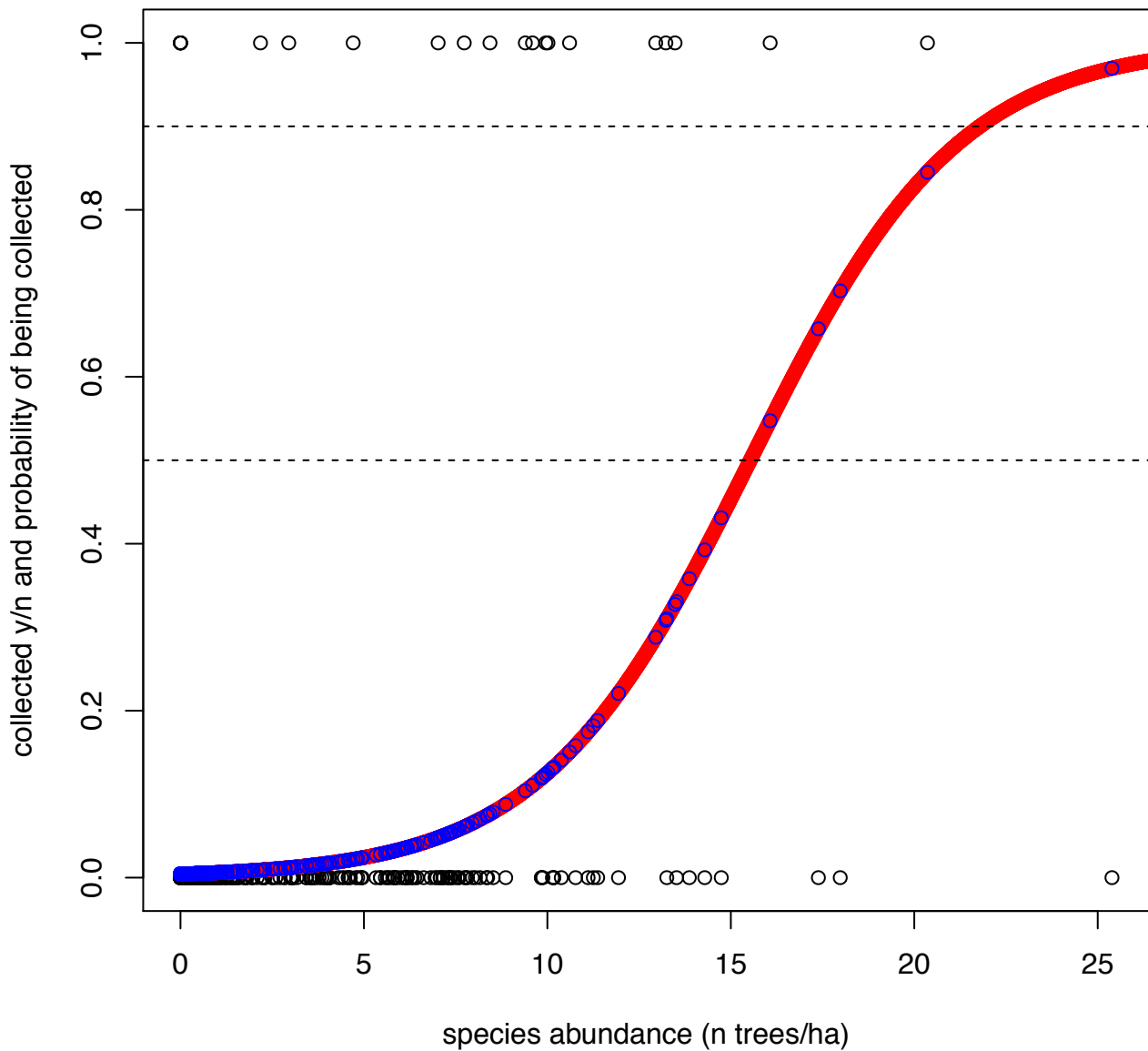
Leonia_crassa – Non-significant



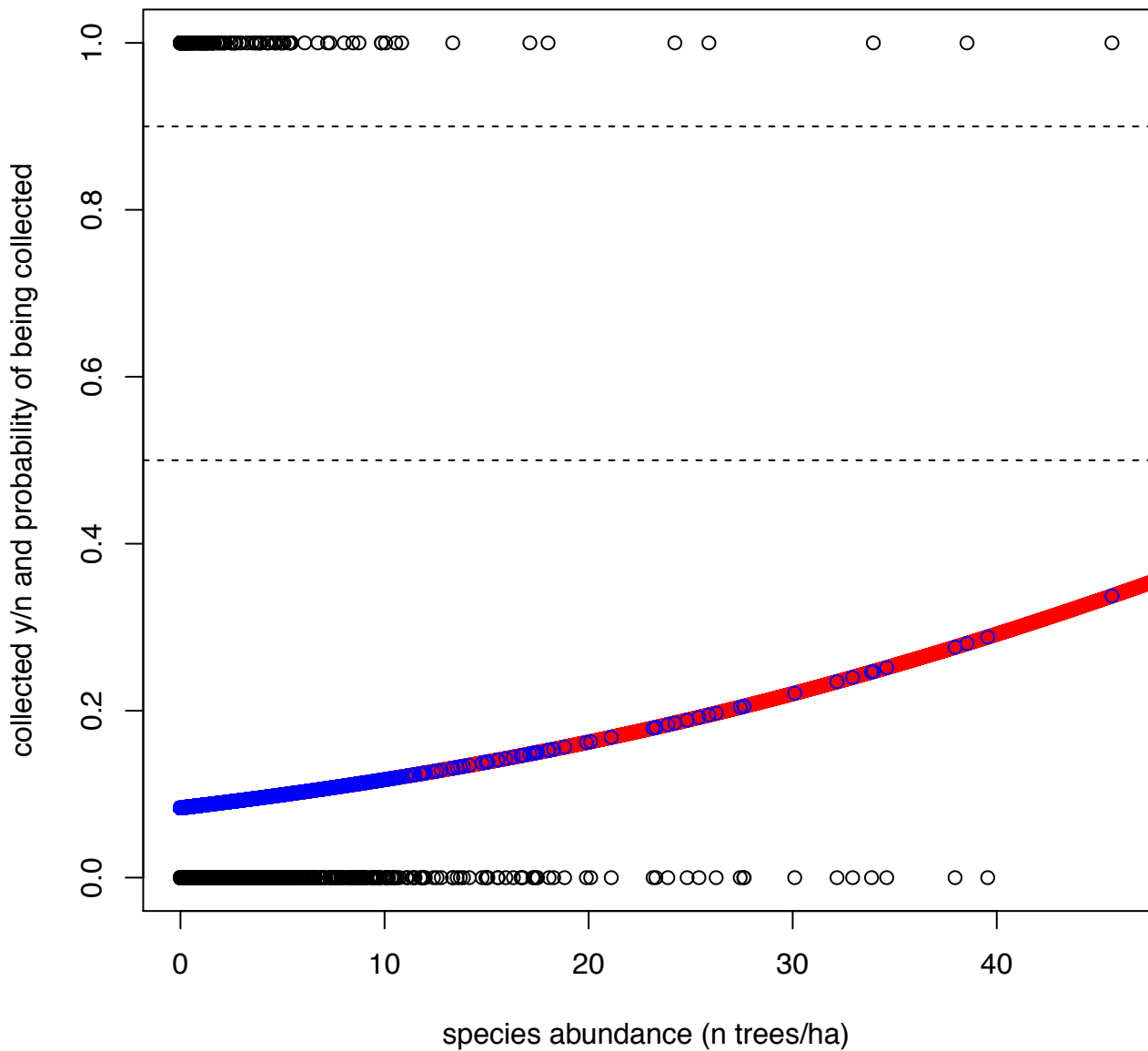
Leonia_glycyarpa – Significant



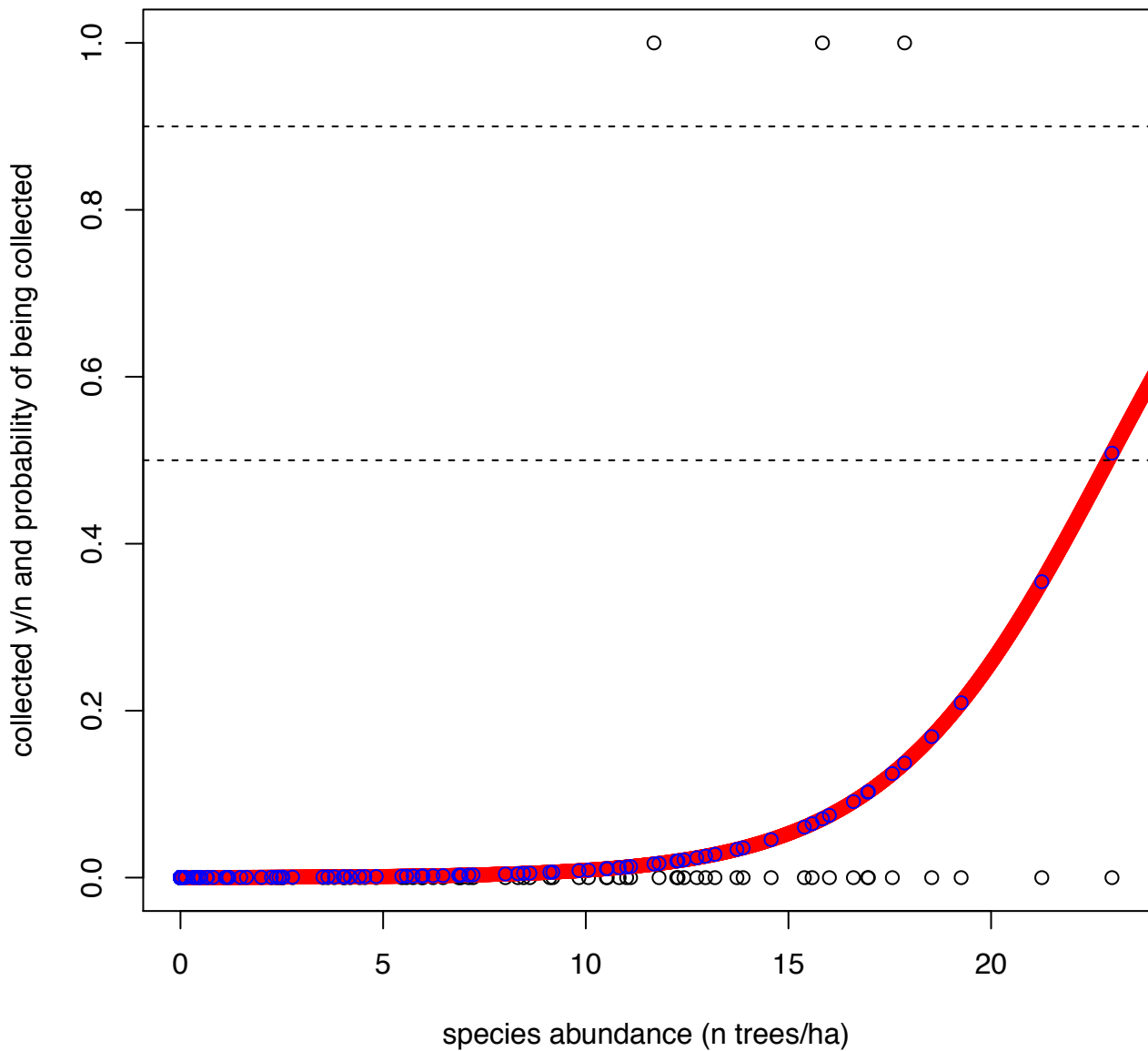
Licania_alba – Significant



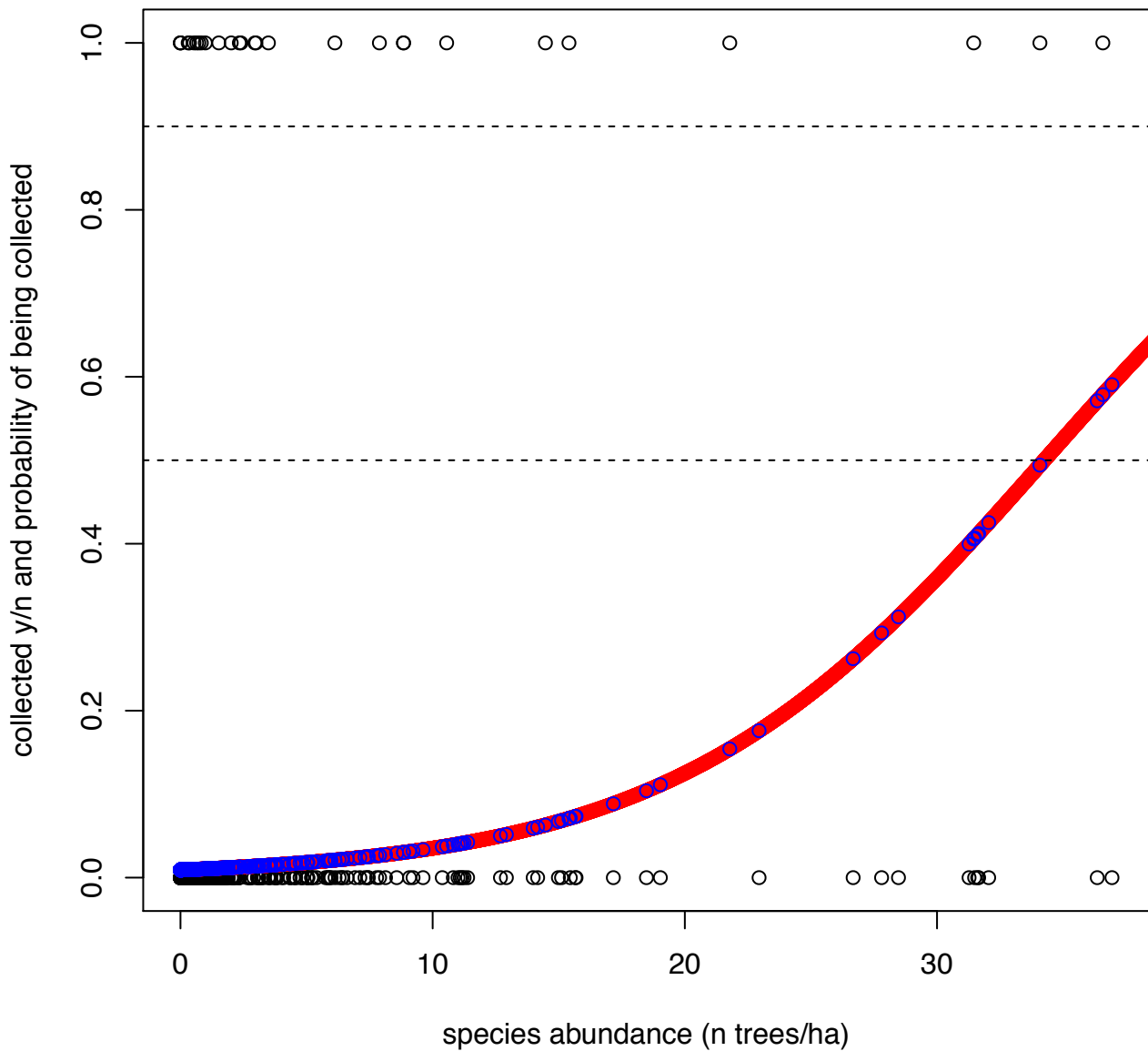
Licania_apetala – Significant



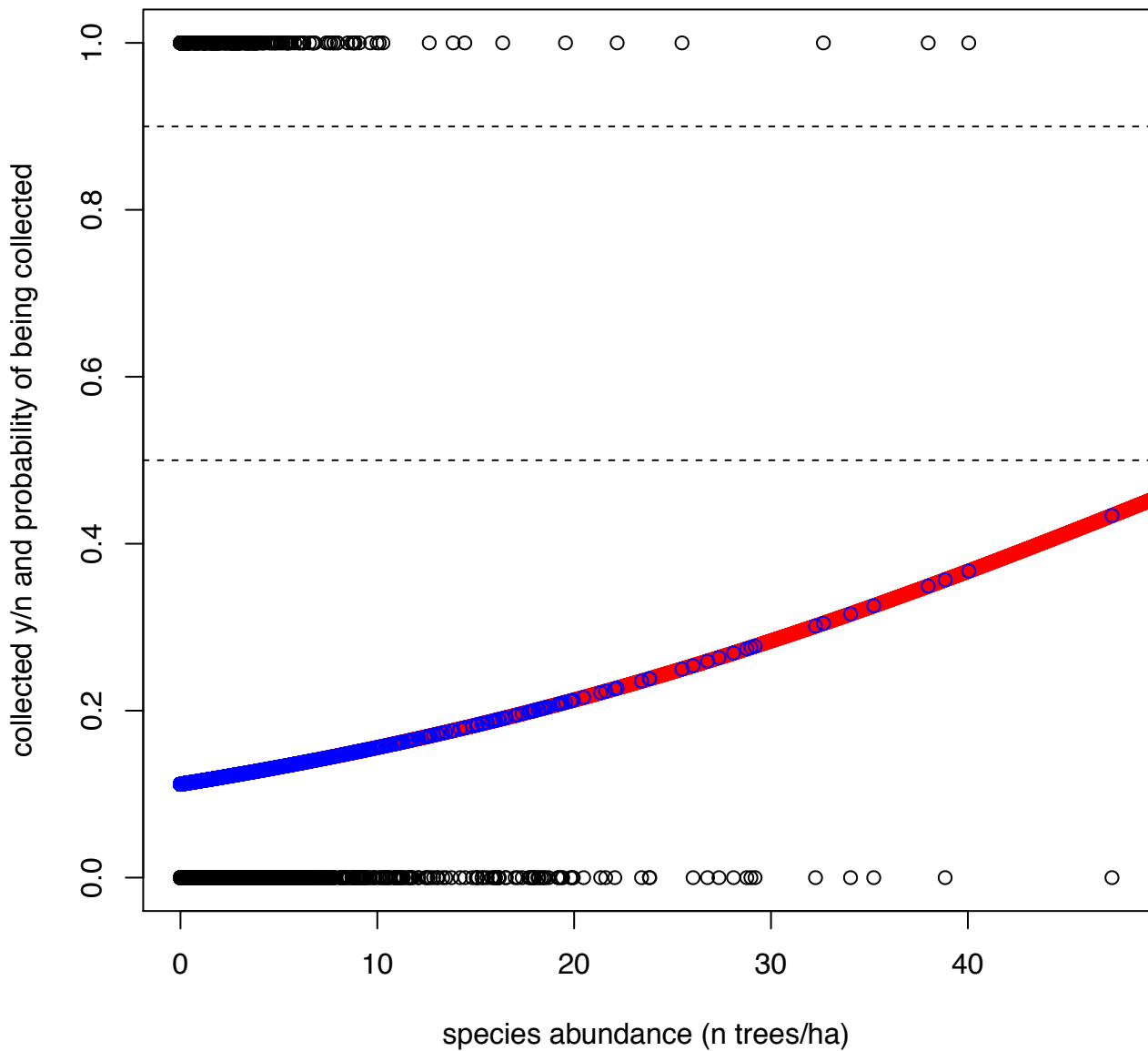
Licania_buxifolia – Significant



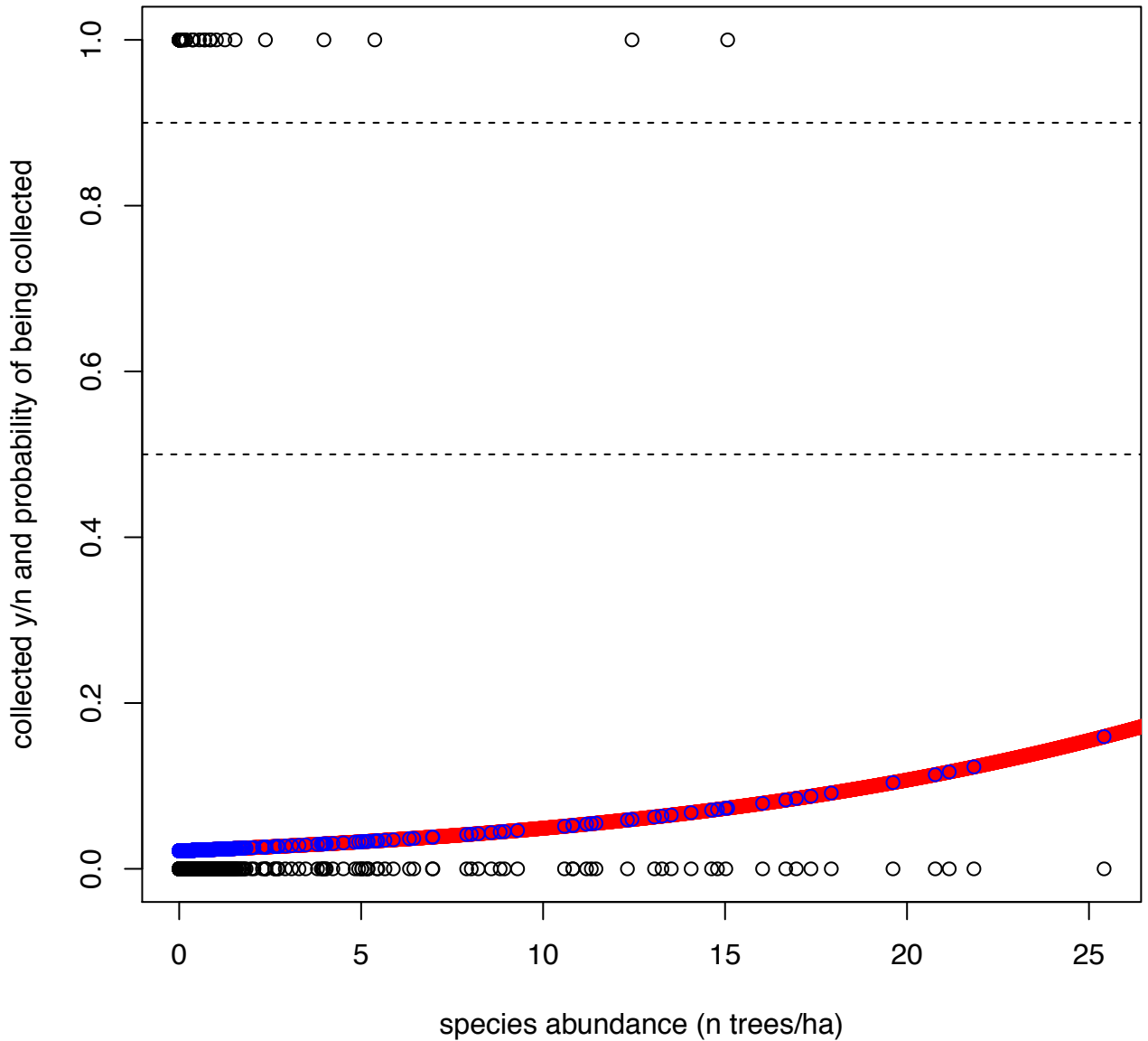
Licania_densiflora – Significant



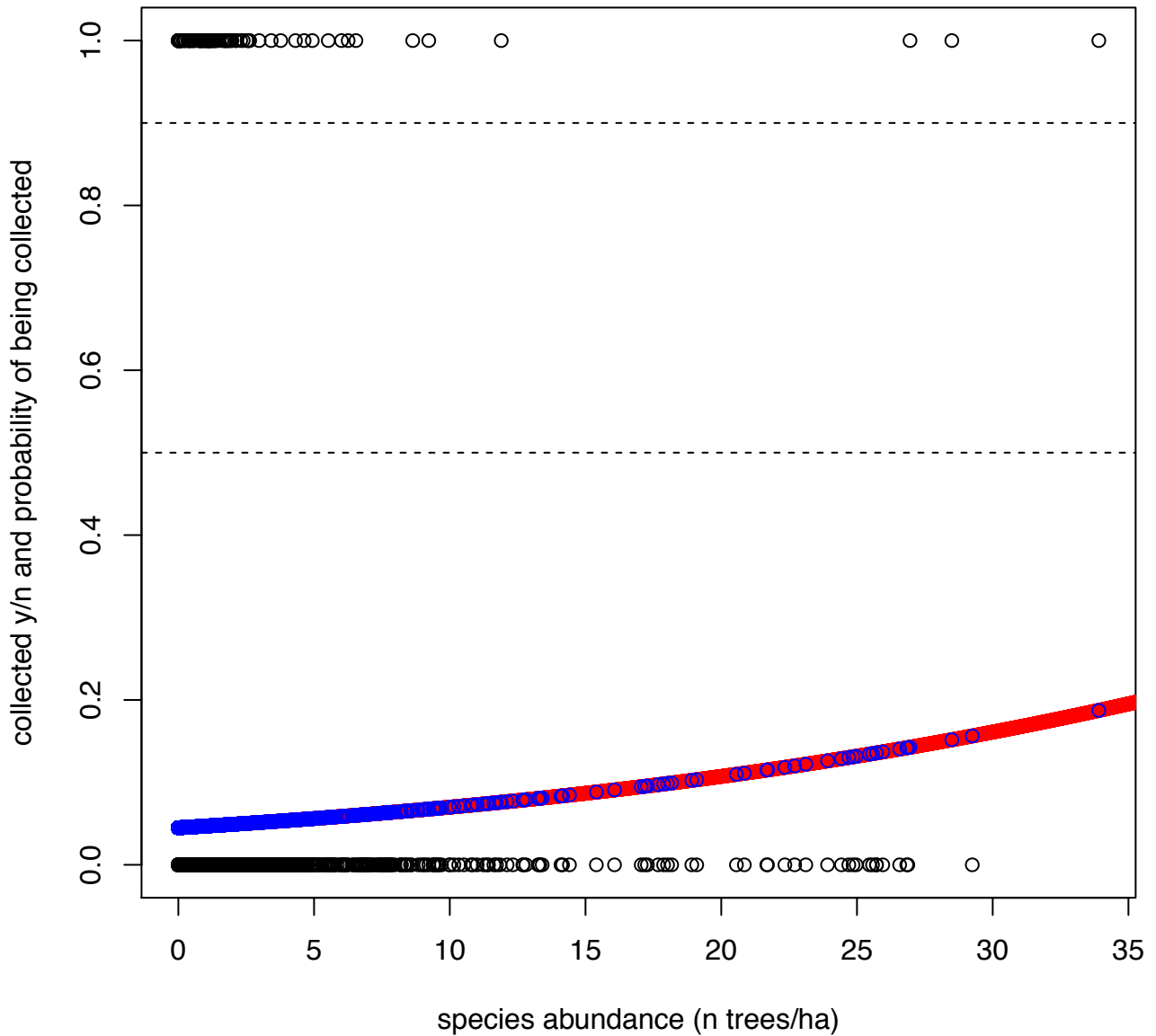
Licania_heteromorpha – Significant



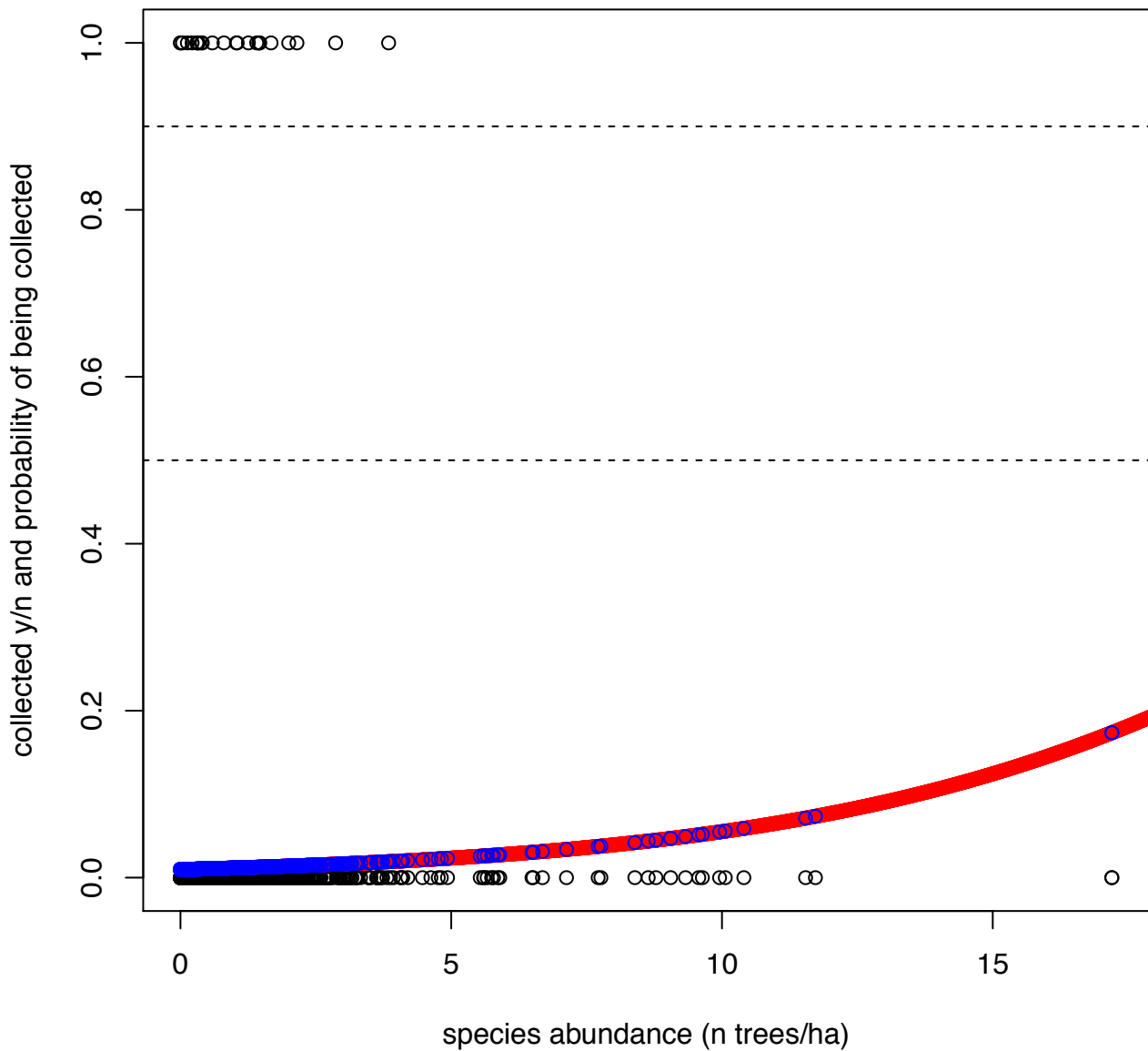
Licania_kunthiana – Significant



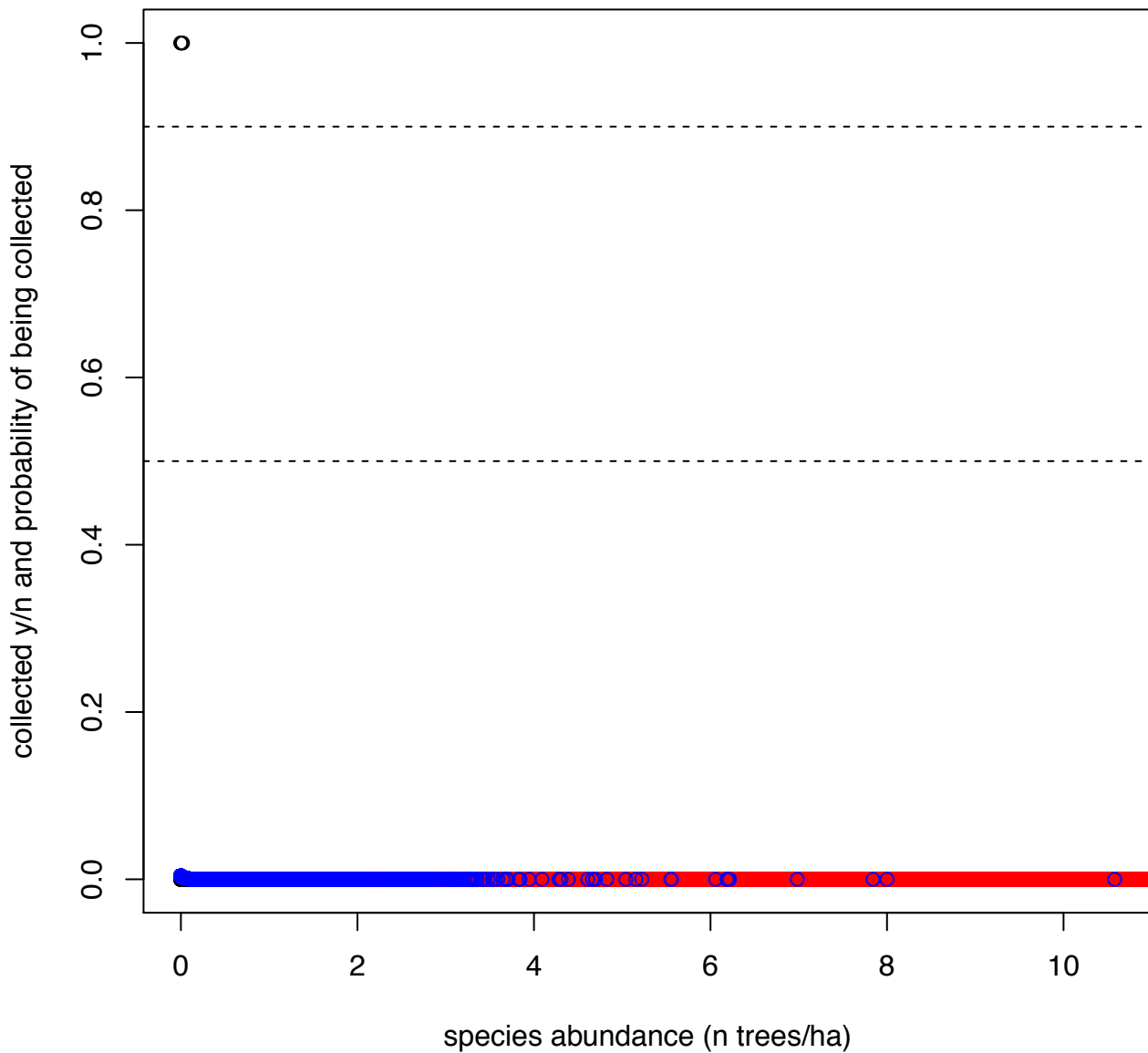
Licania_micrantha – Significant



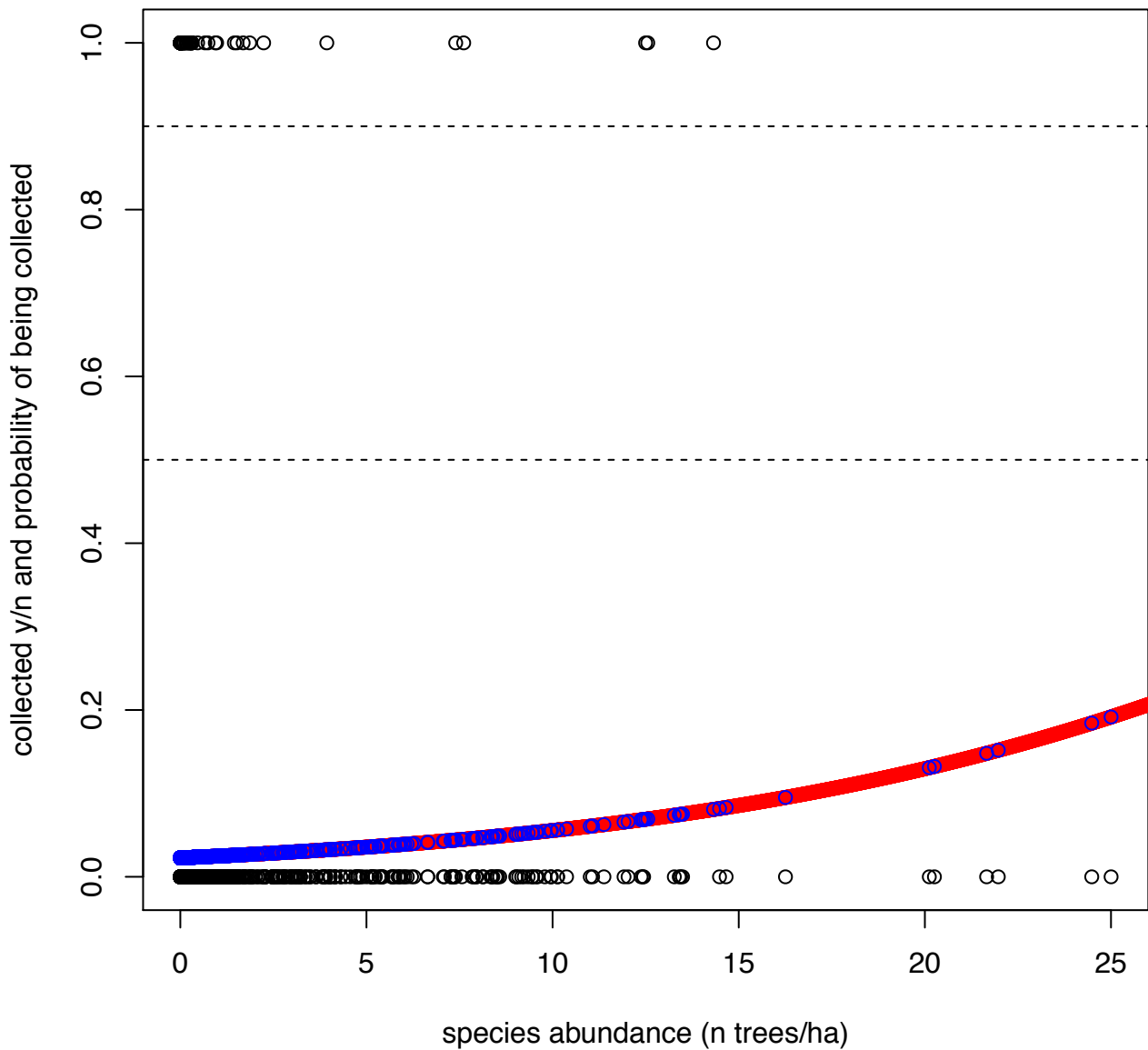
Licania_oblongifolia – Significant



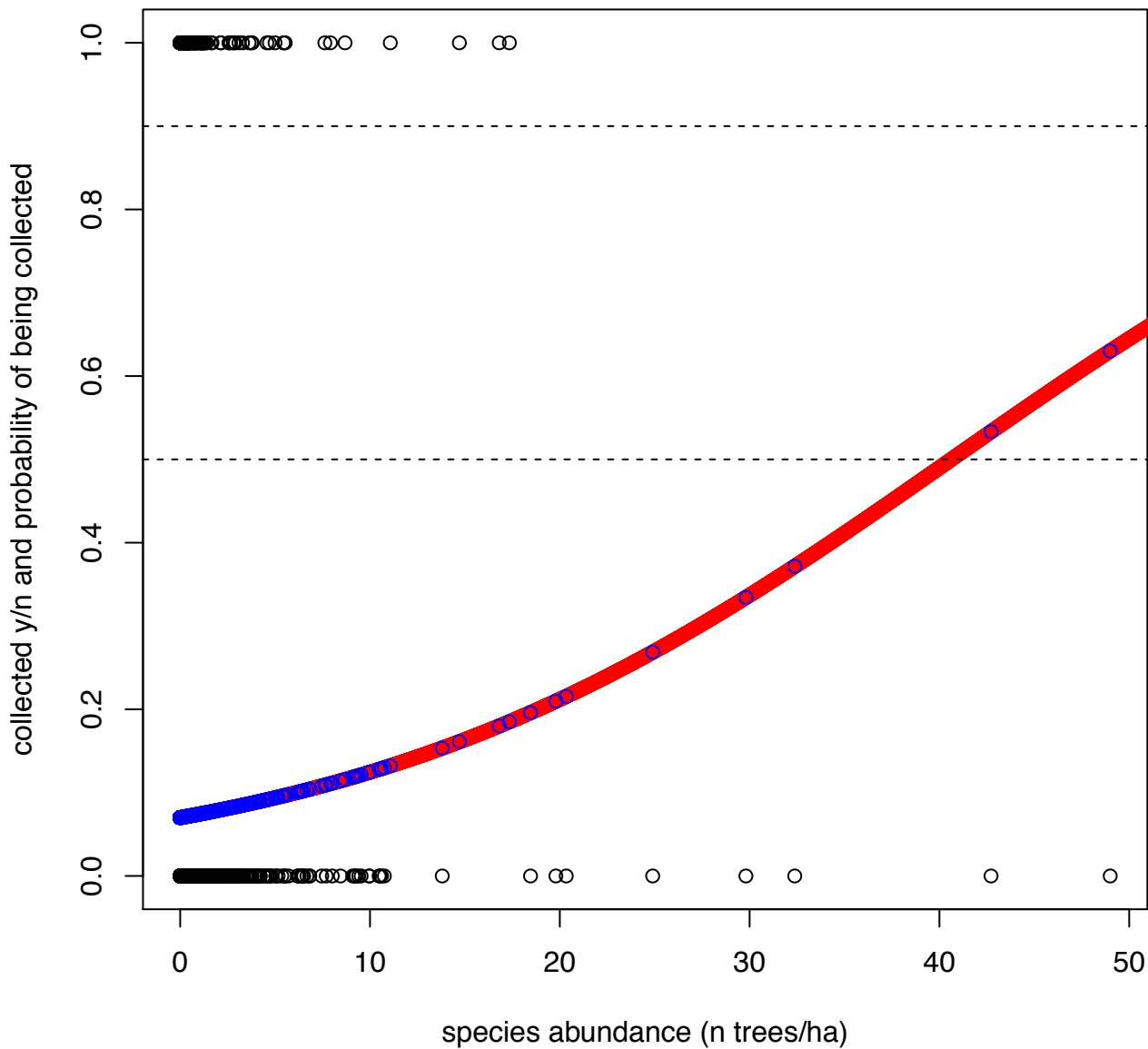
Licania_octandra – Non-significant



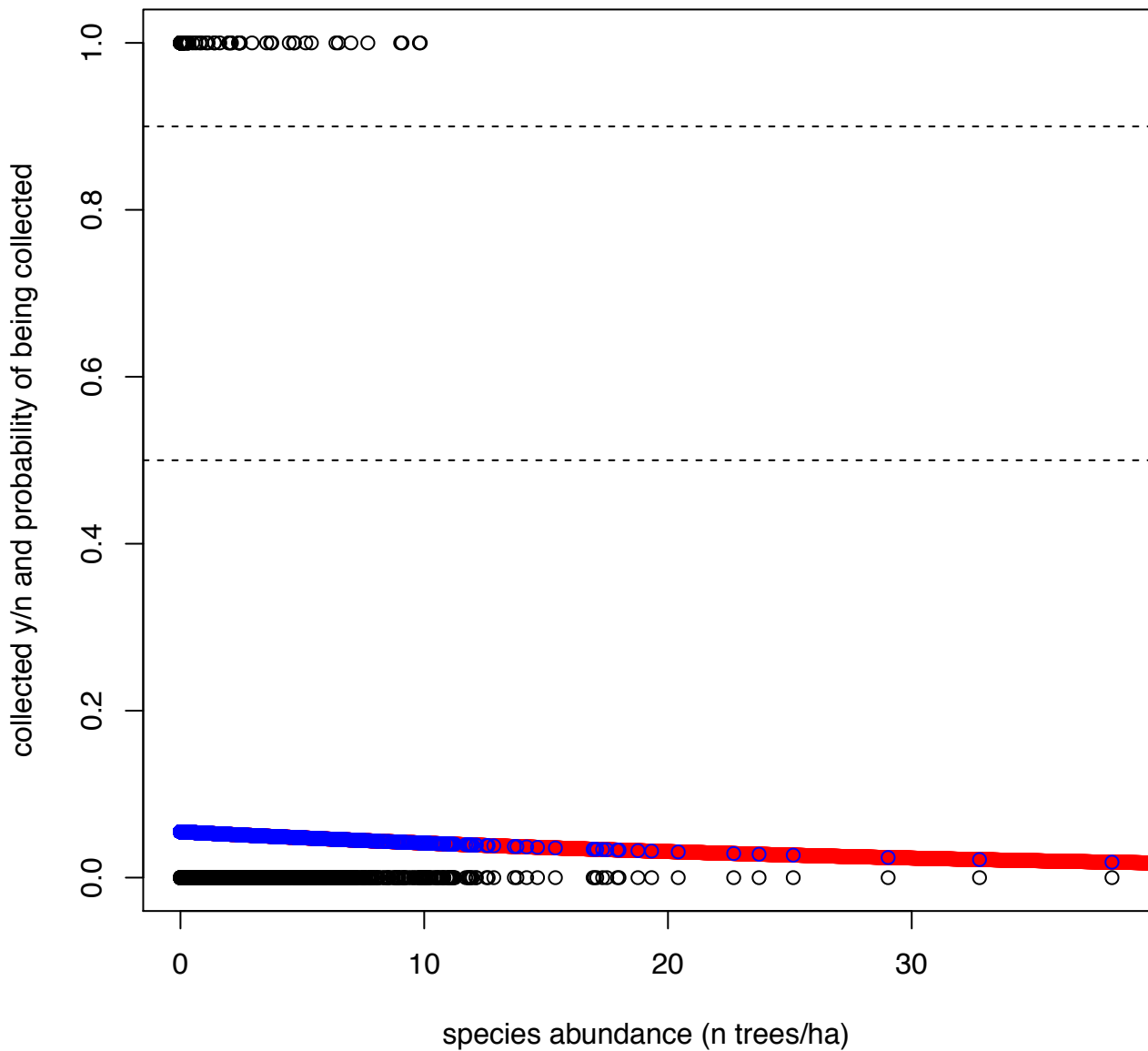
Luehea_cymulosa – Significant



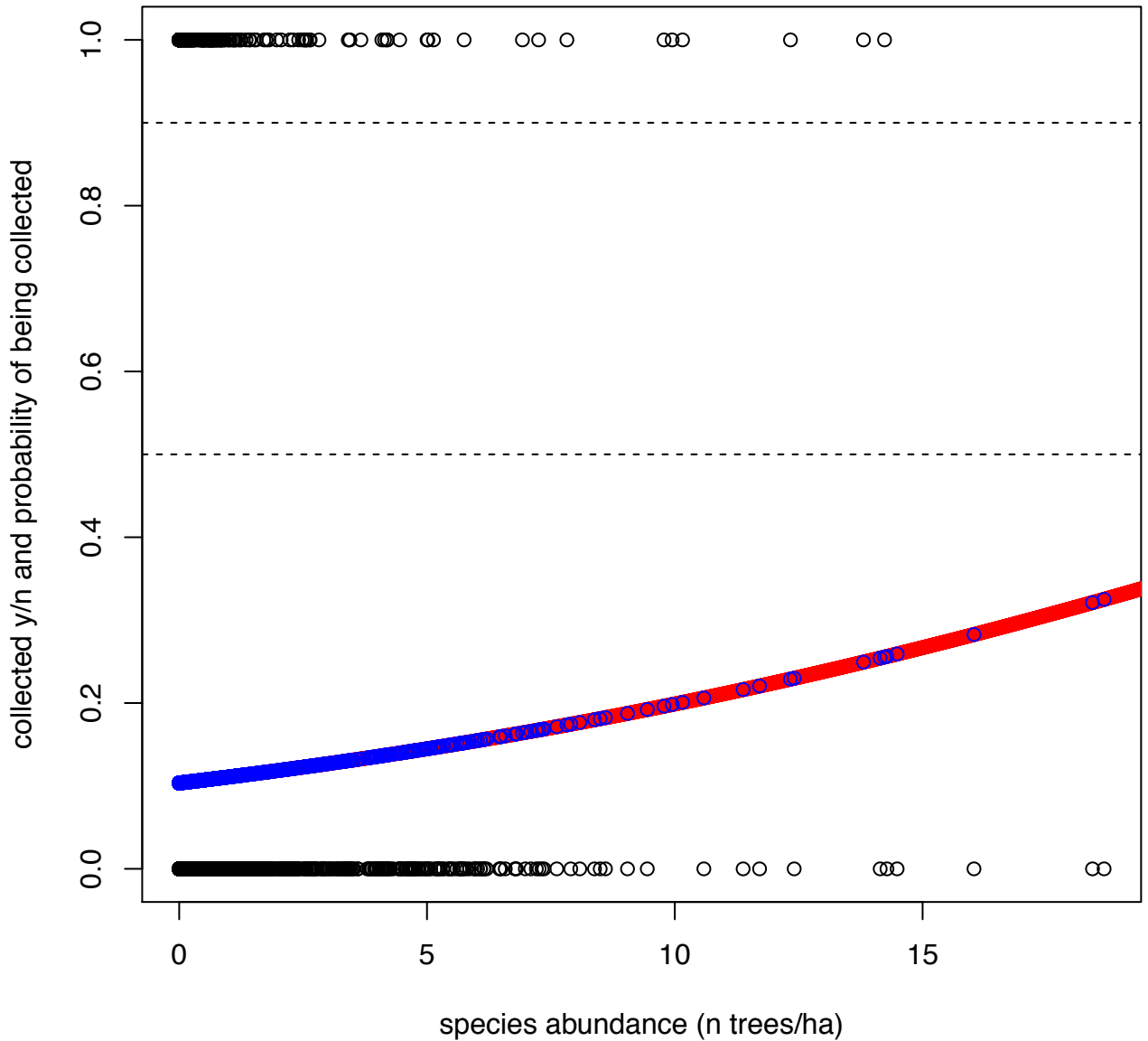
Mabea_nitida – Significant



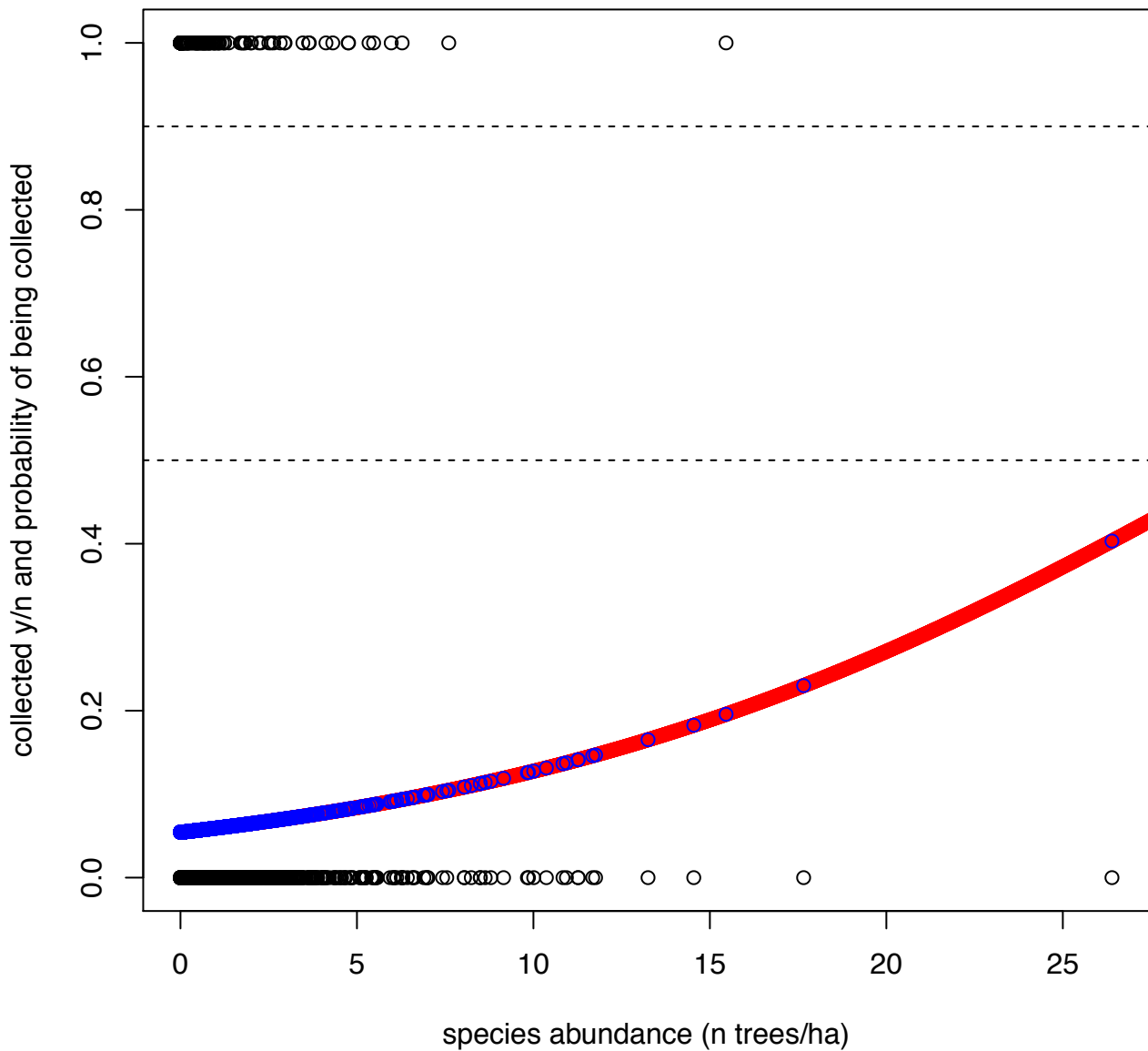
Mabea_speciosa – Non-significant



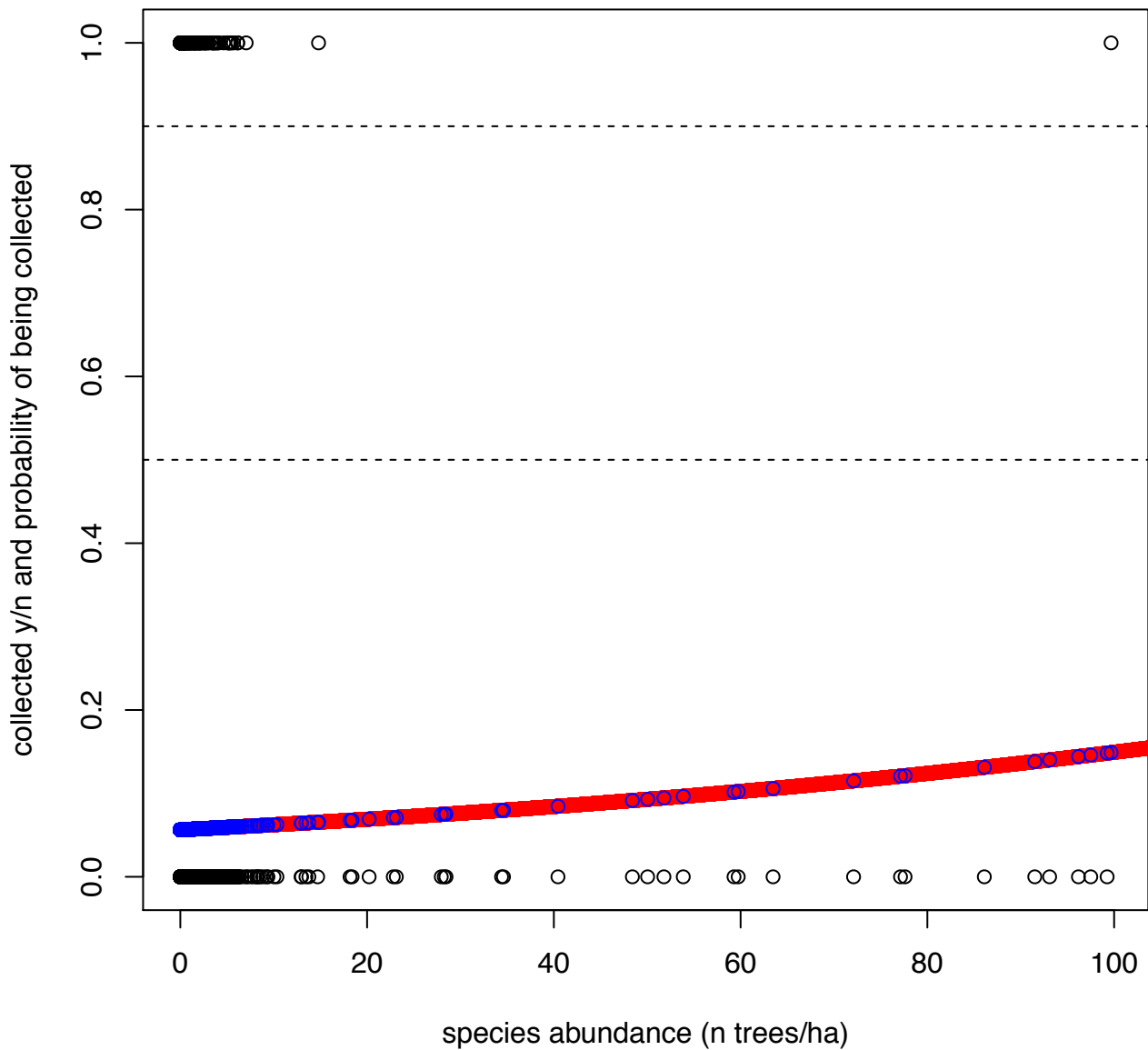
Macrolobium_acaciifolium – Significant



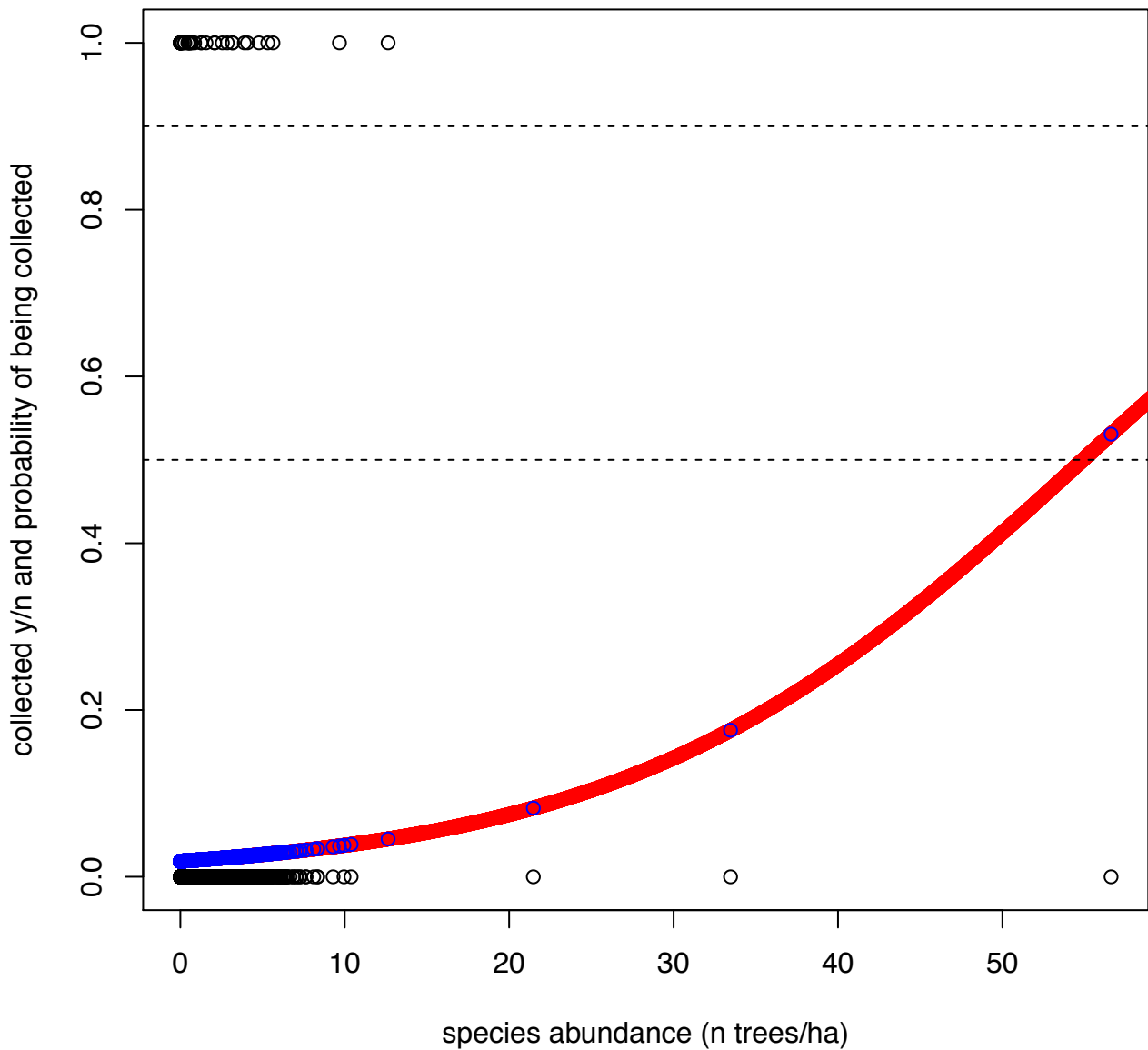
Macrobolobium_angustifolium – Significant



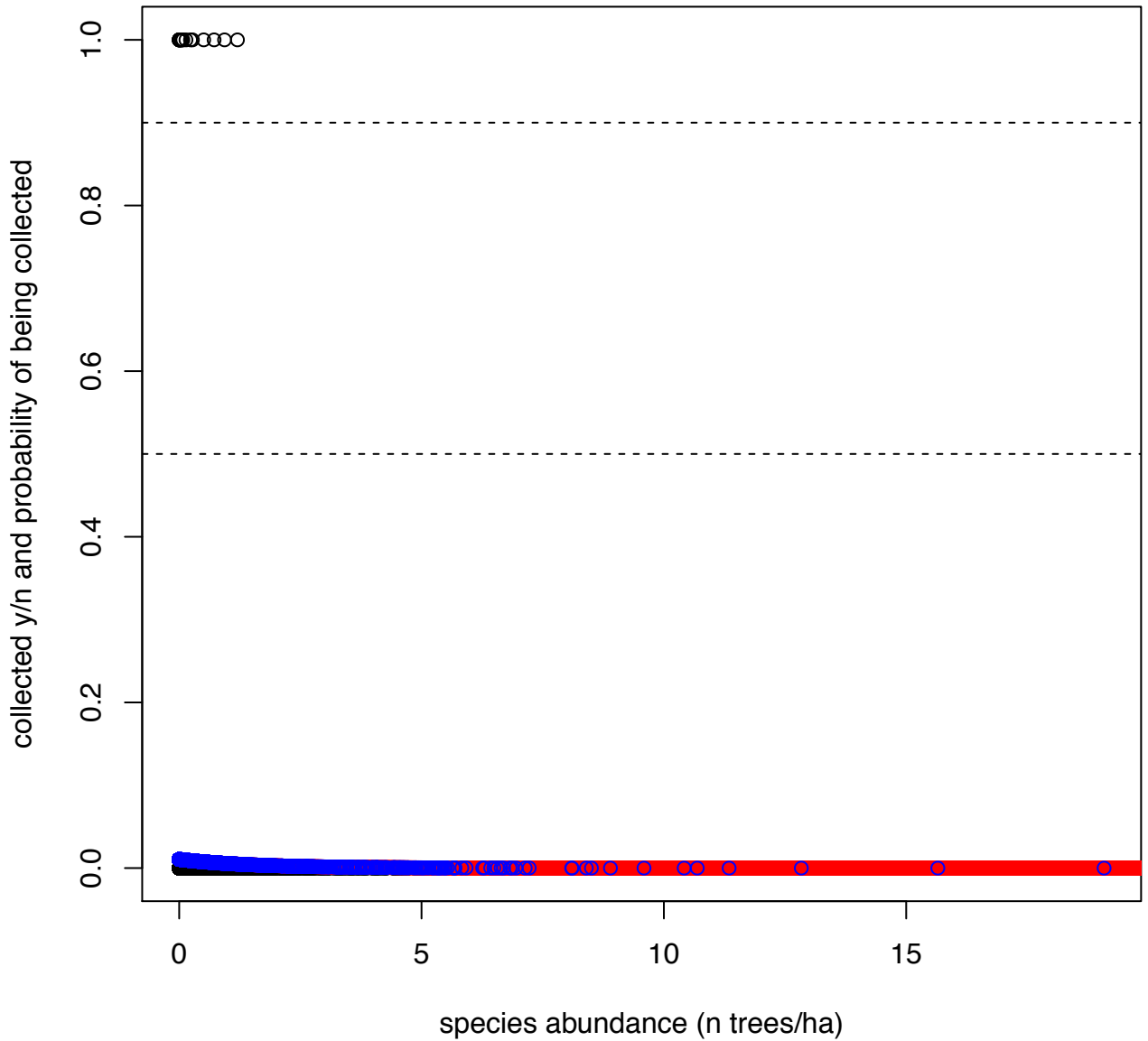
Manilkara_bidentata – Non-significant



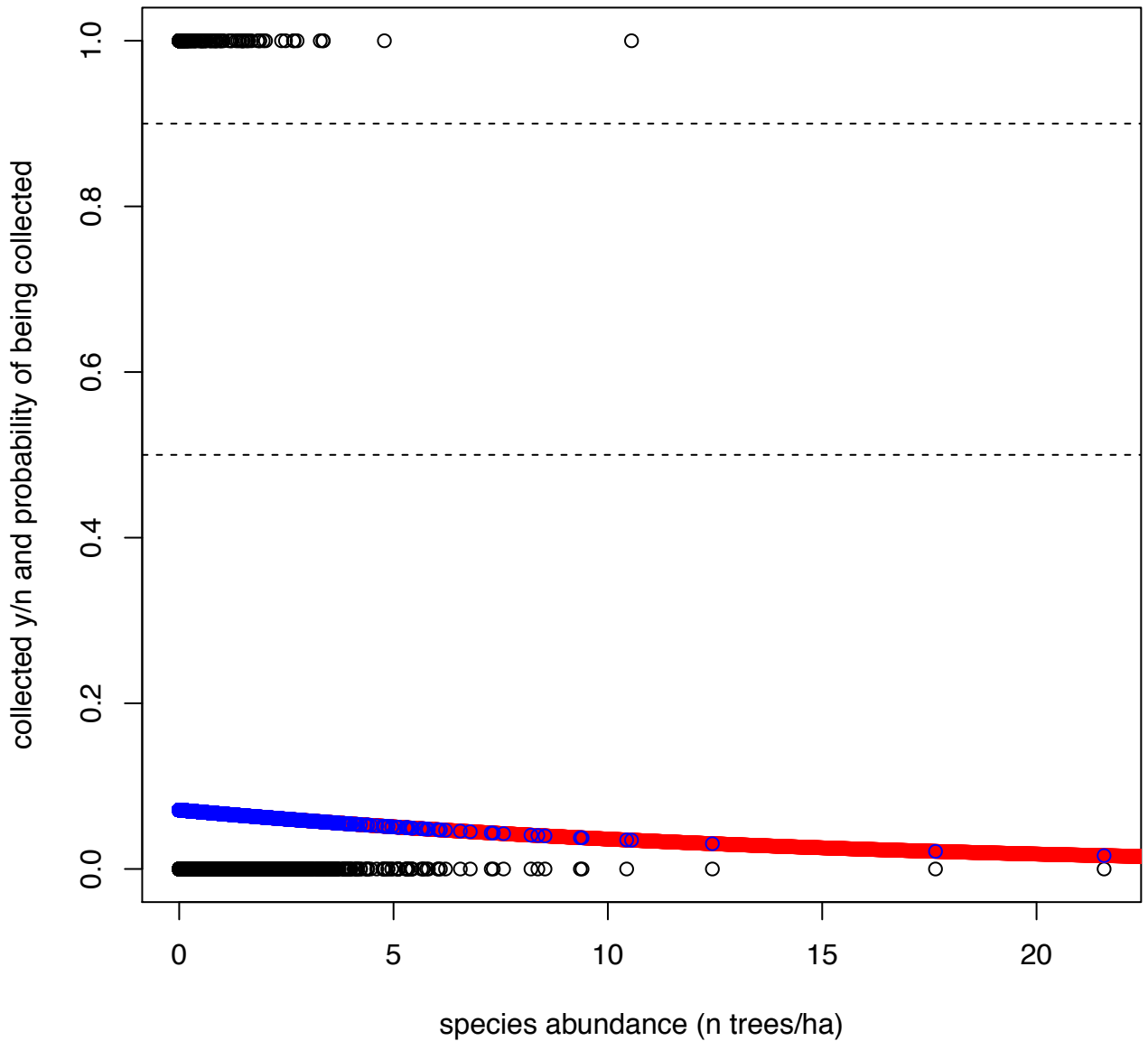
Maquira_coriacea – Significant



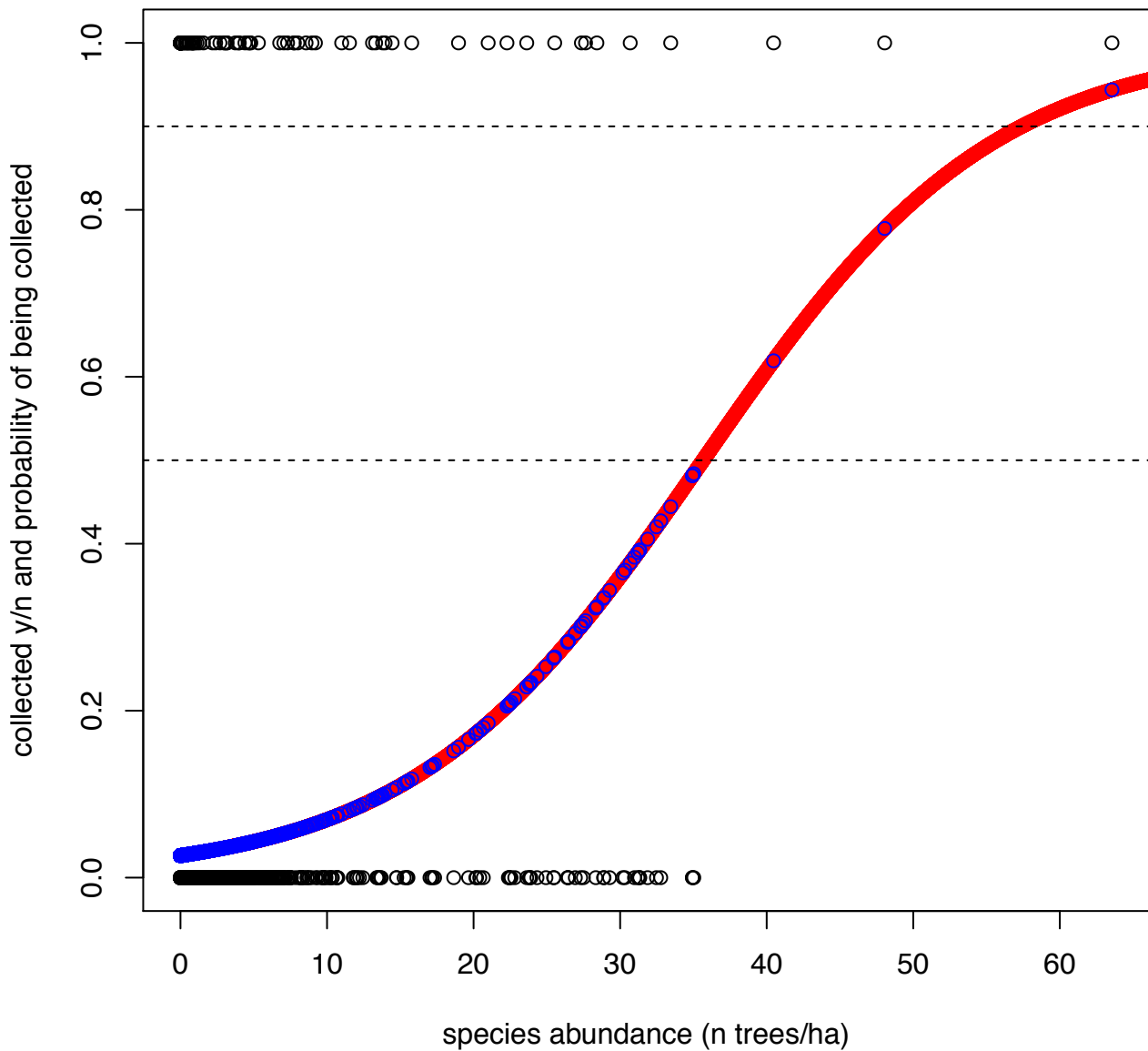
Matayba_scrobiculata – Non-significant



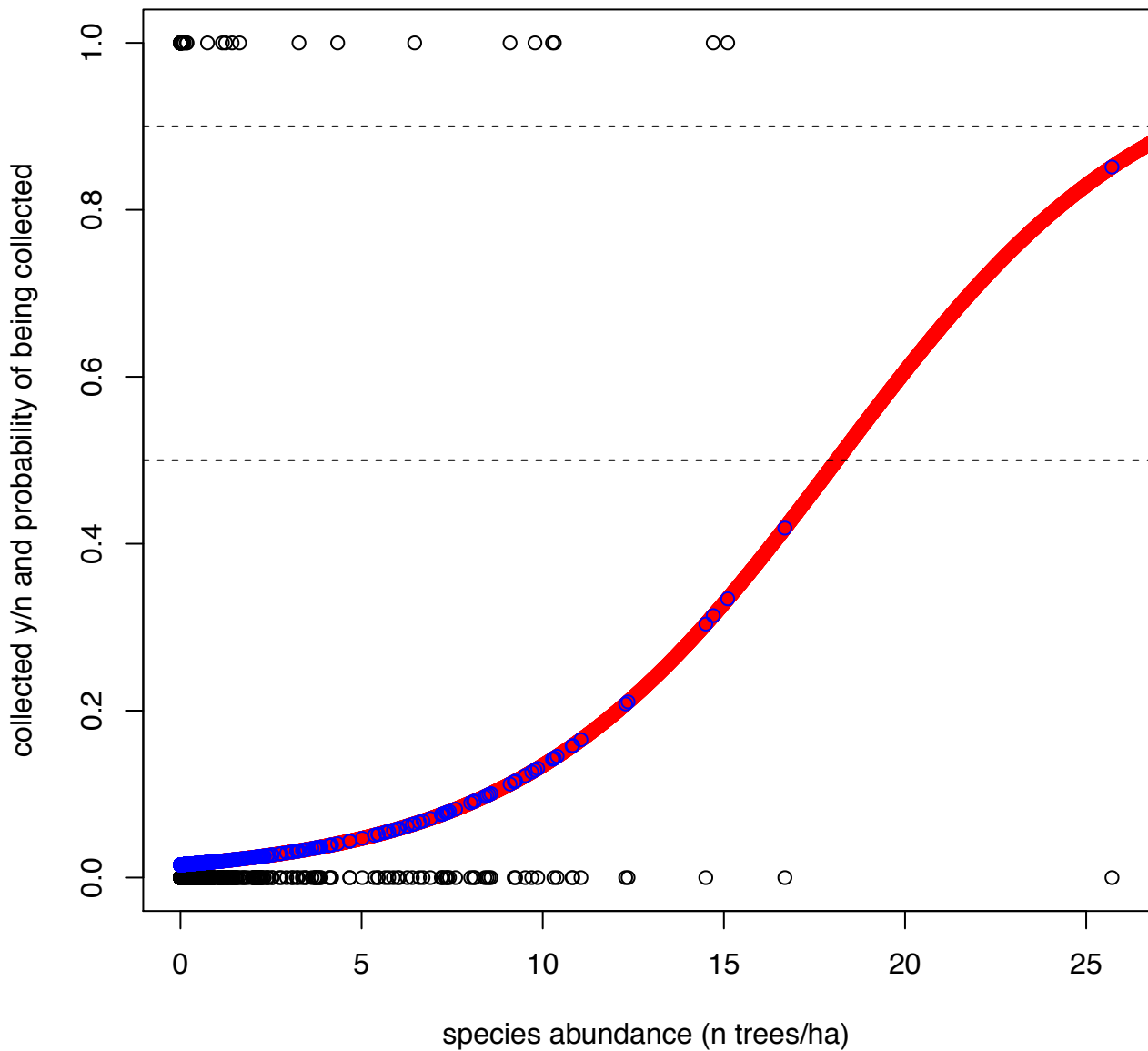
Matisia_ochrocalyx – Non-significant



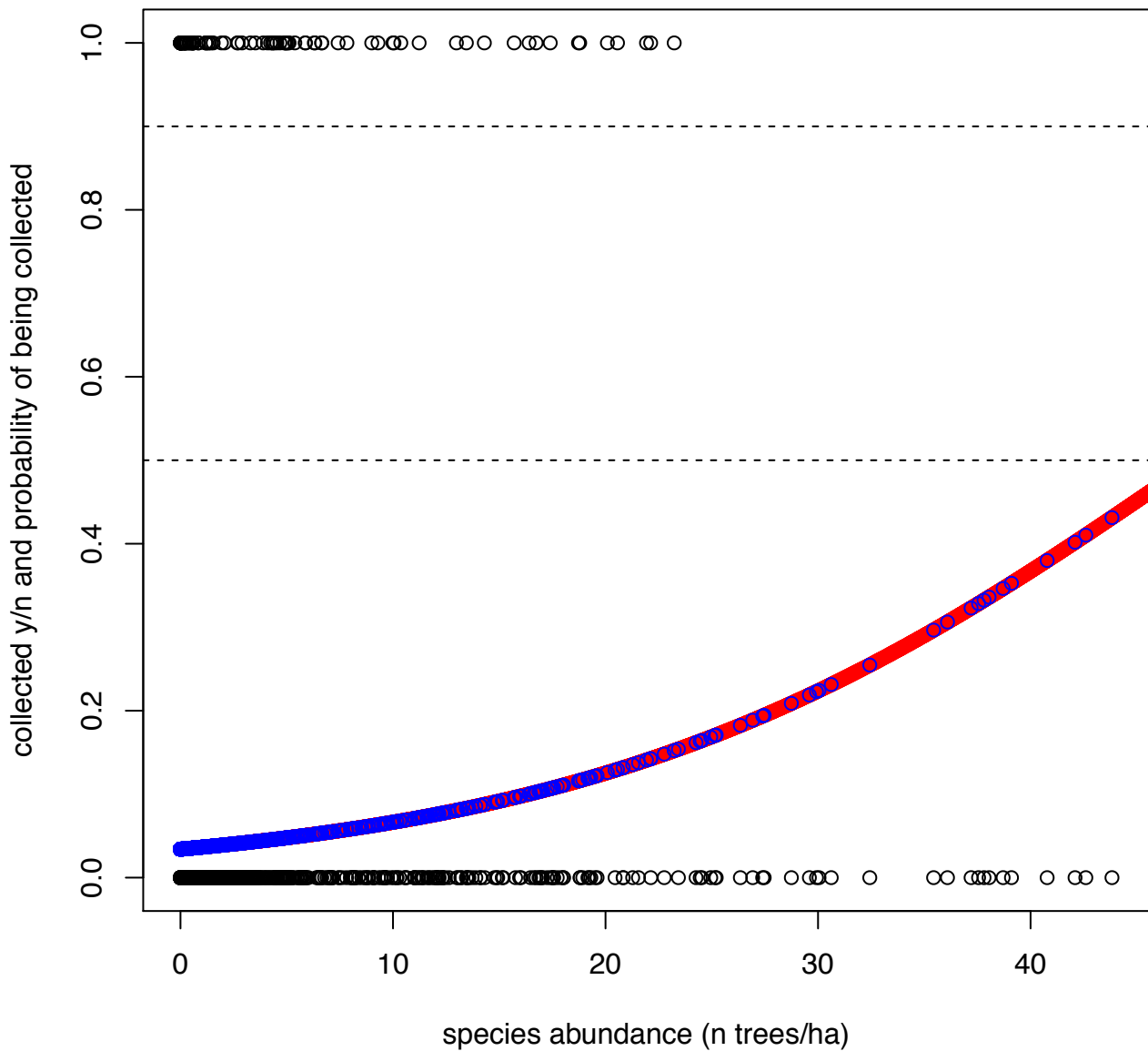
Mauritia_flexuosa – Significant



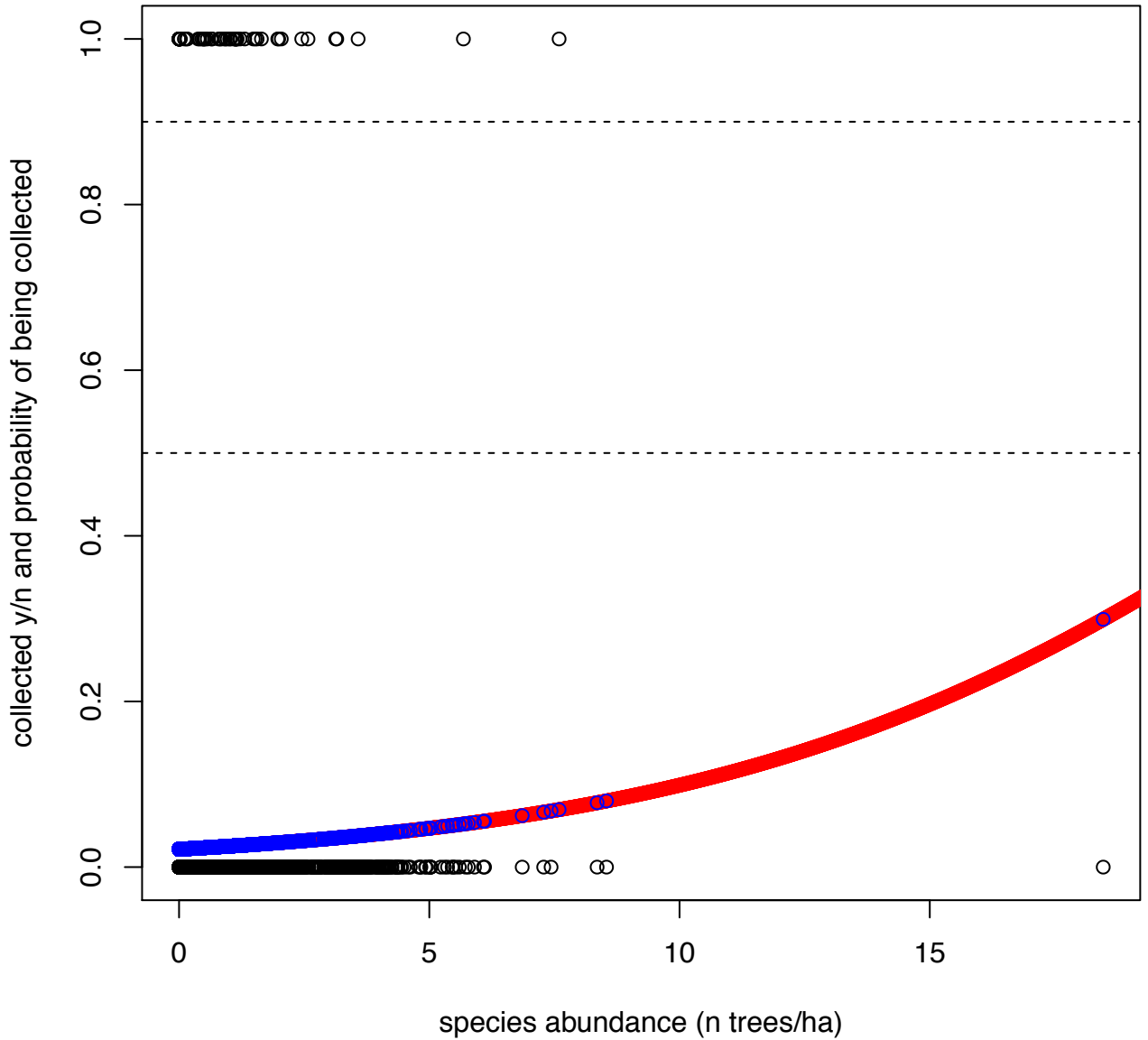
Mauritiella_aculeata – Significant



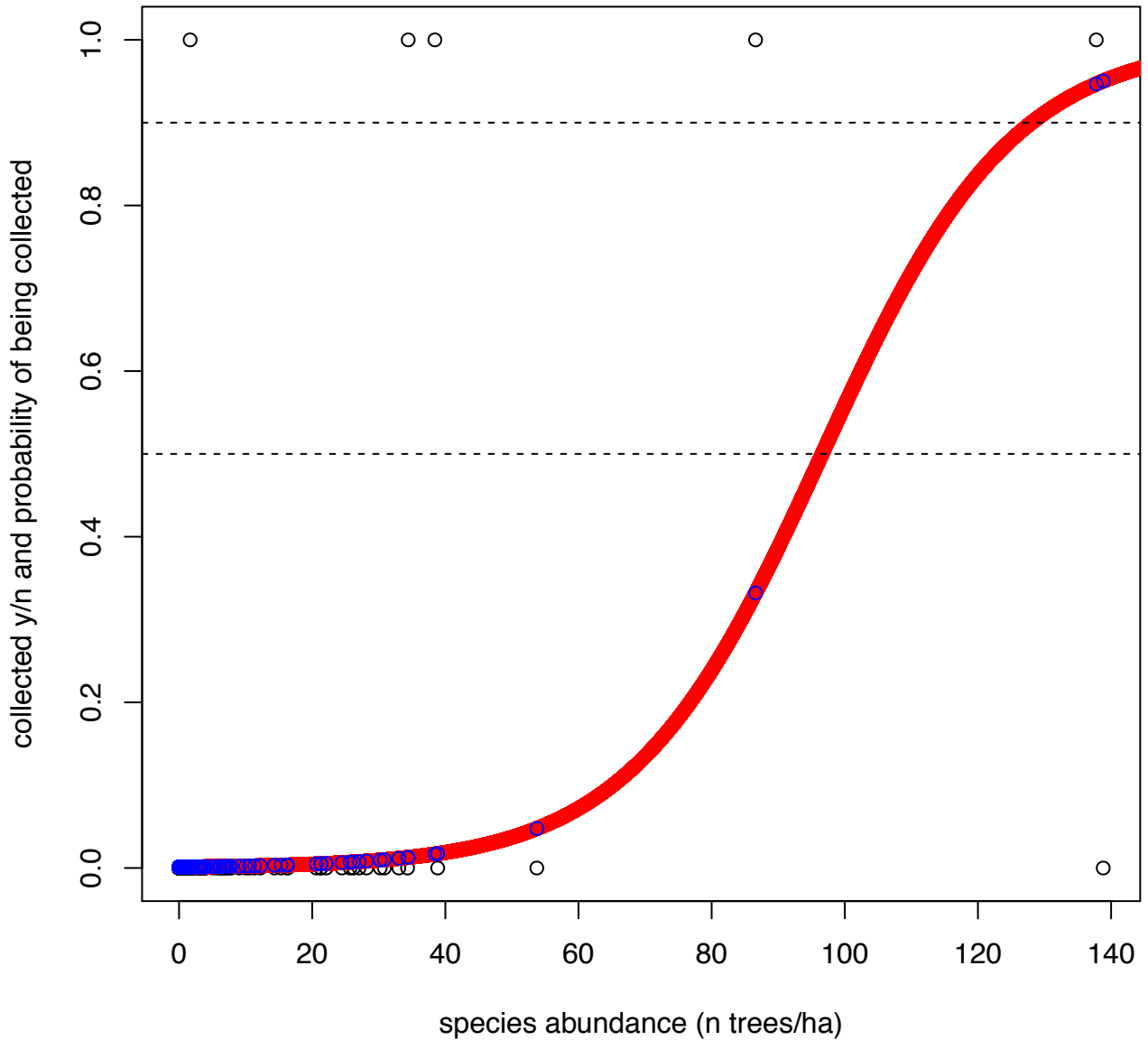
Metrodorea_flavida – Significant



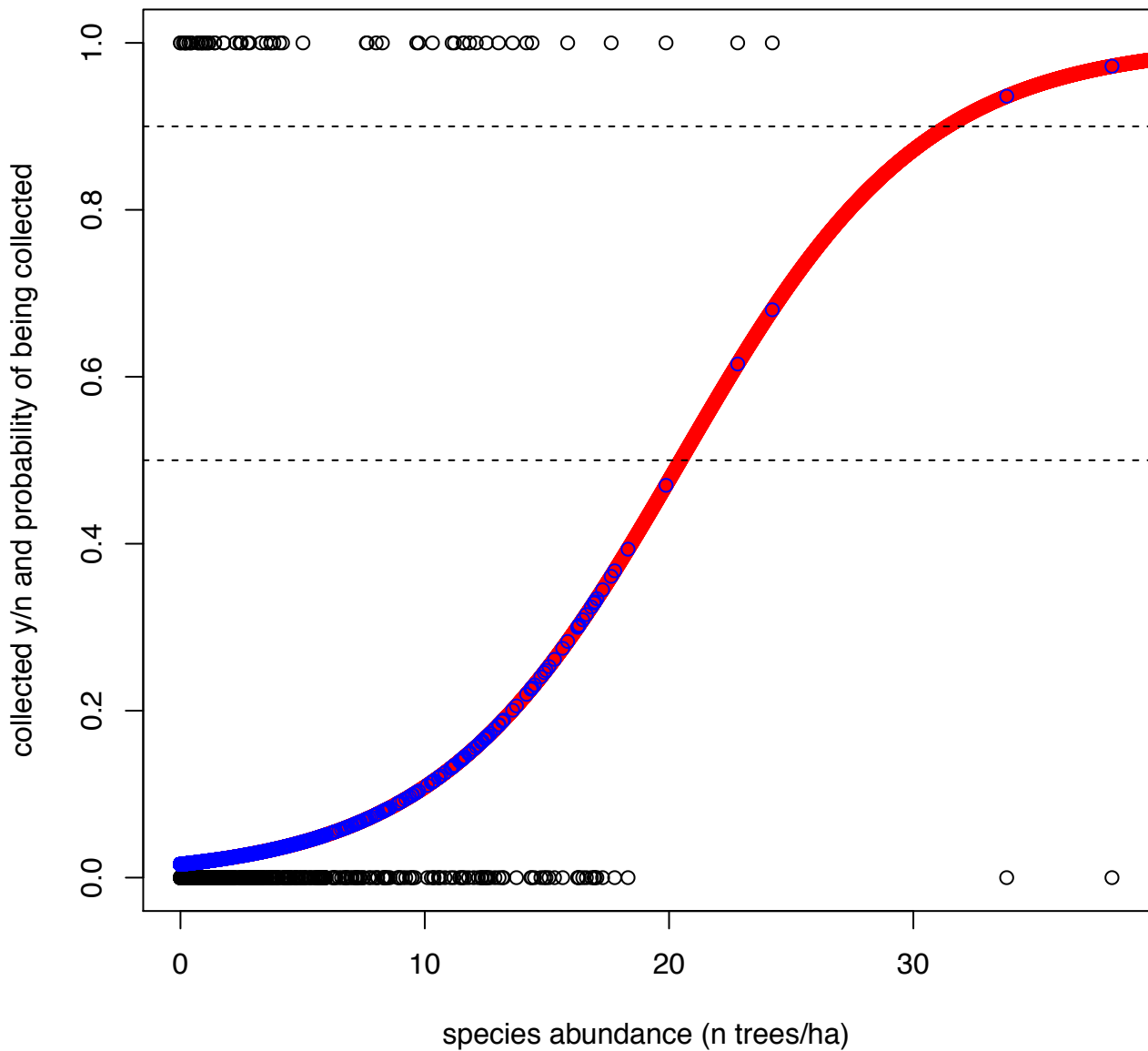
Mezilaurus_itauba – Significant



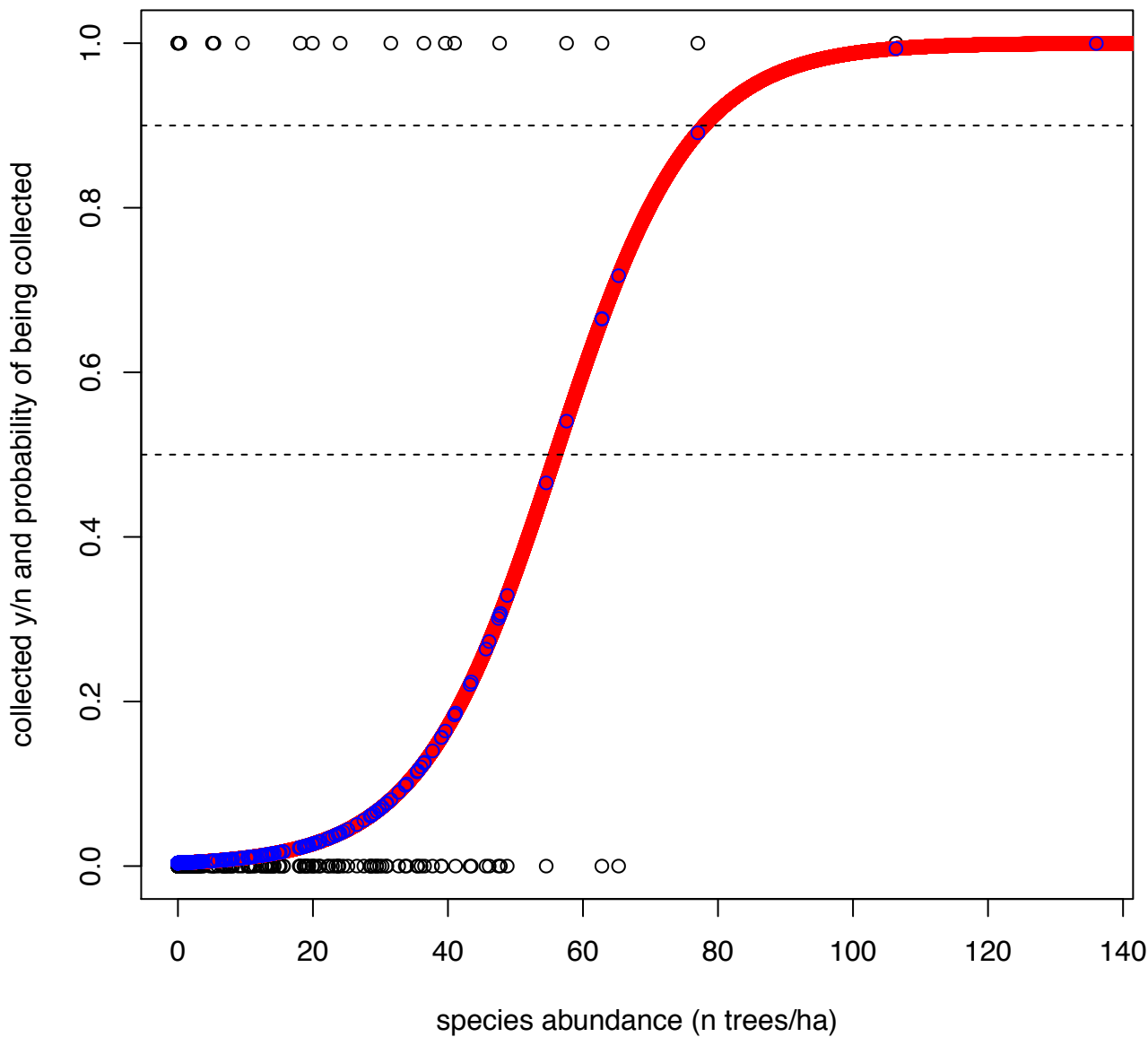
Micrandra_glabra – Significant



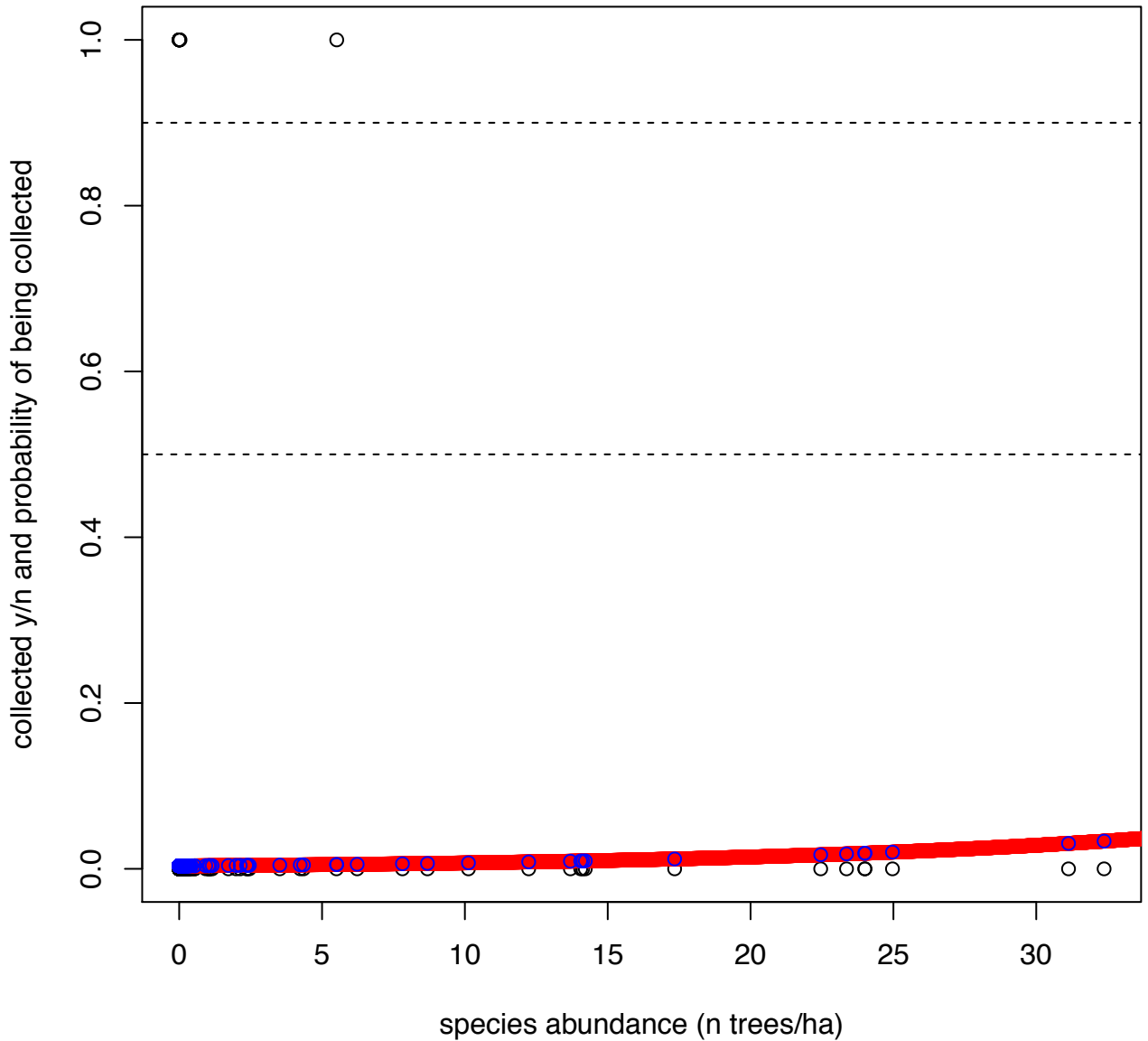
Micrandra_spruceana – Significant



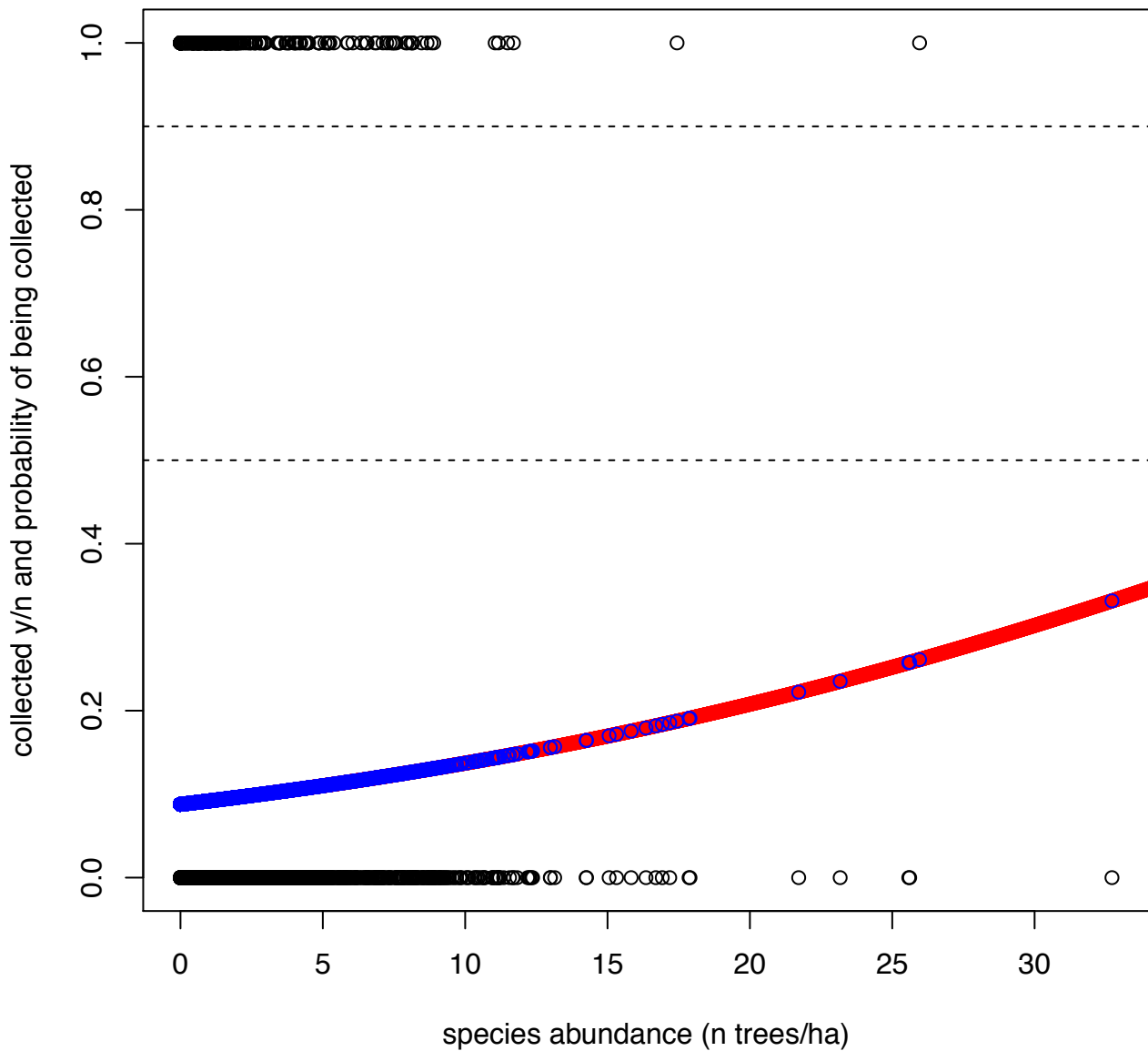
Micrandra_sprucei – Significant



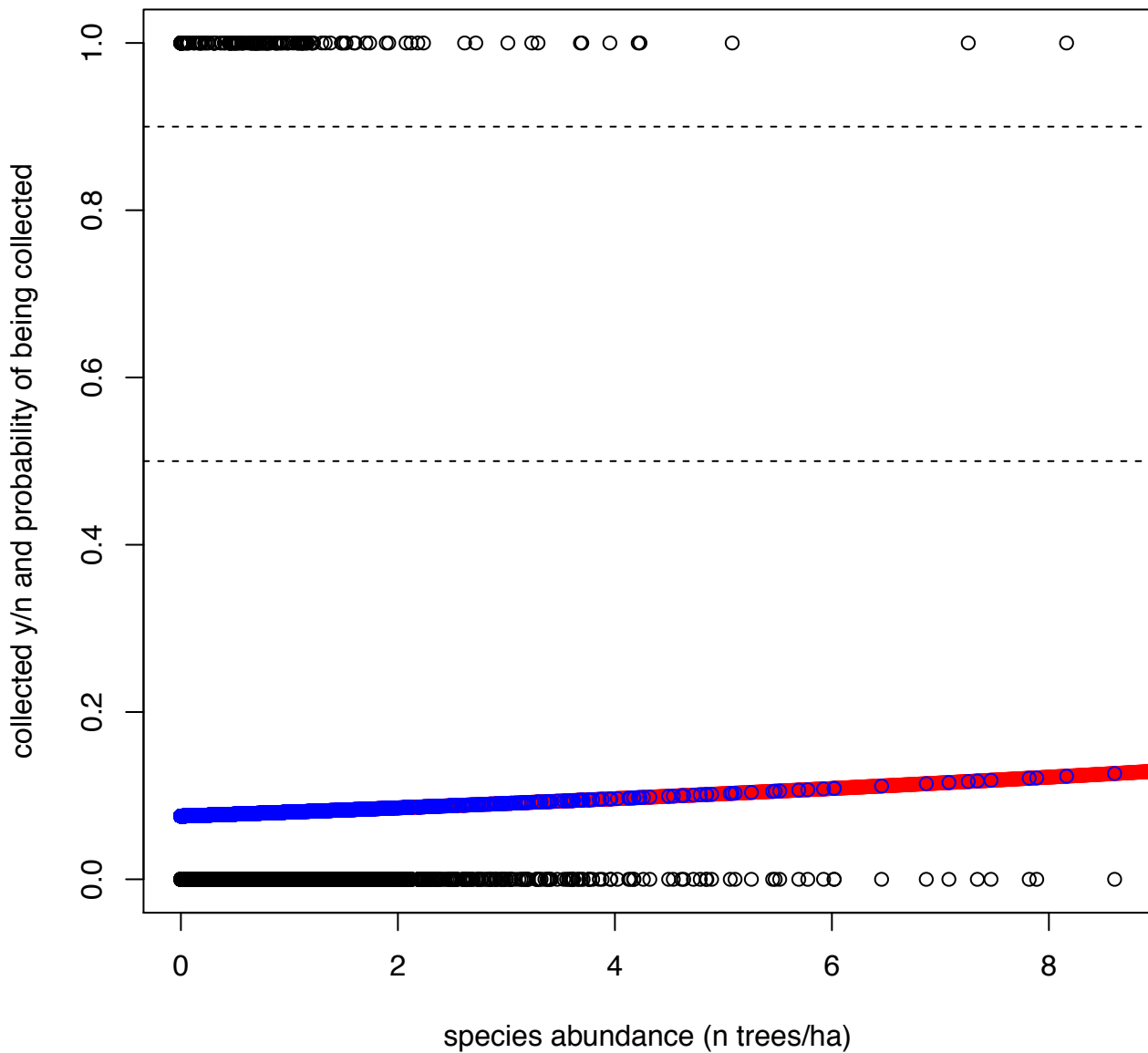
Micropholis_gardneriana – Non-significant



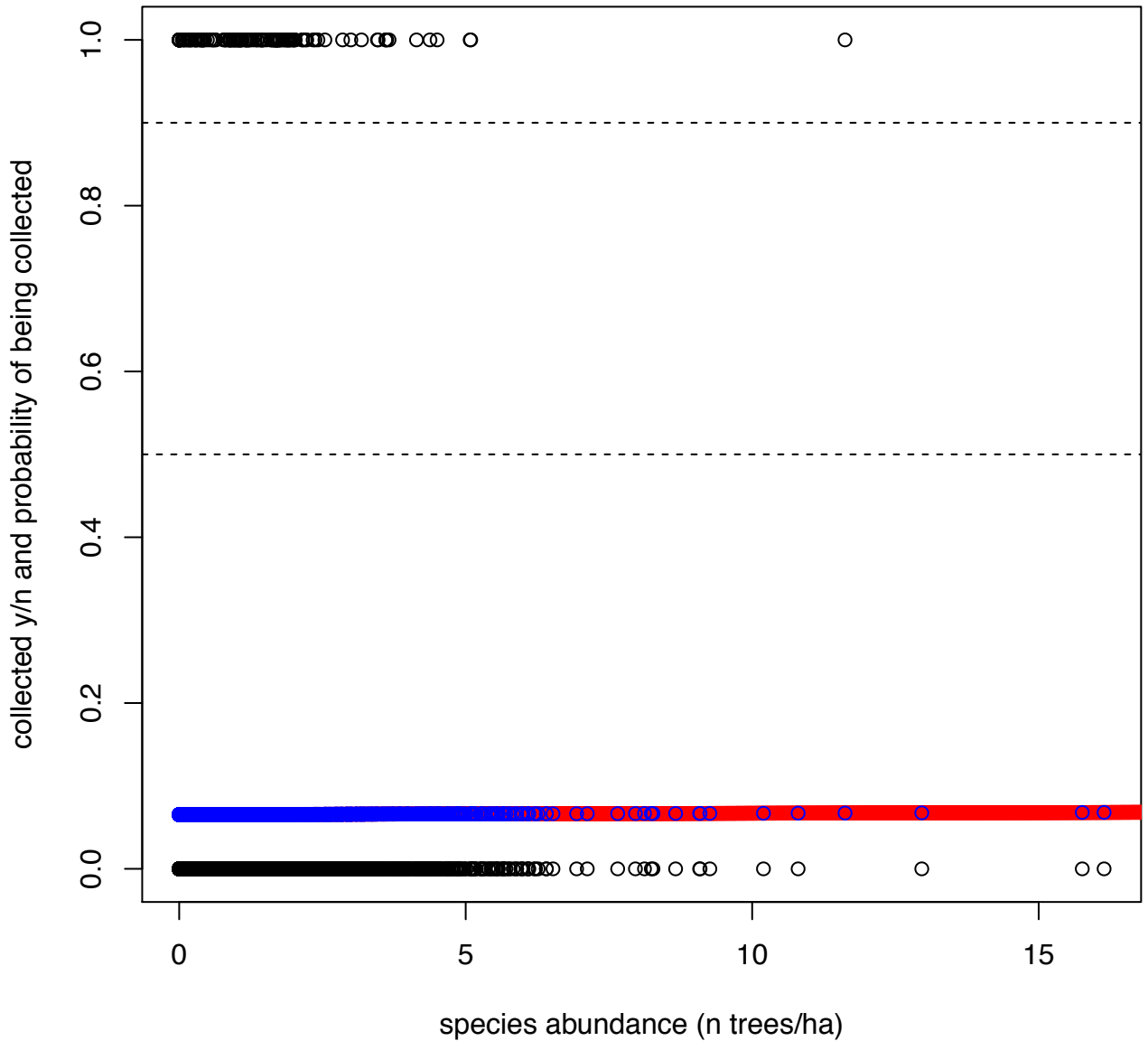
Micropholis_guyanensis – Significant



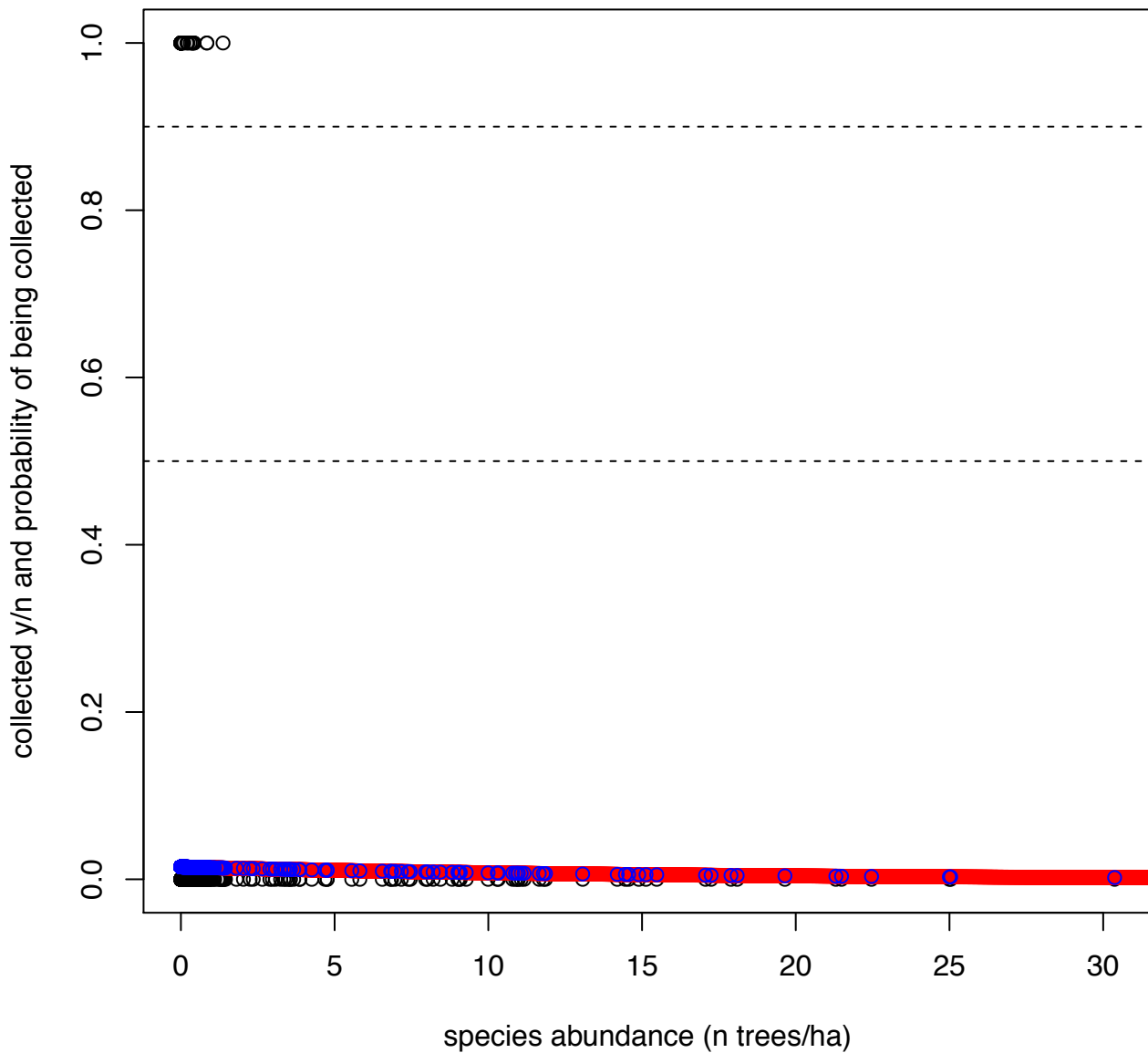
Micropholis_venulosa – Non-significant



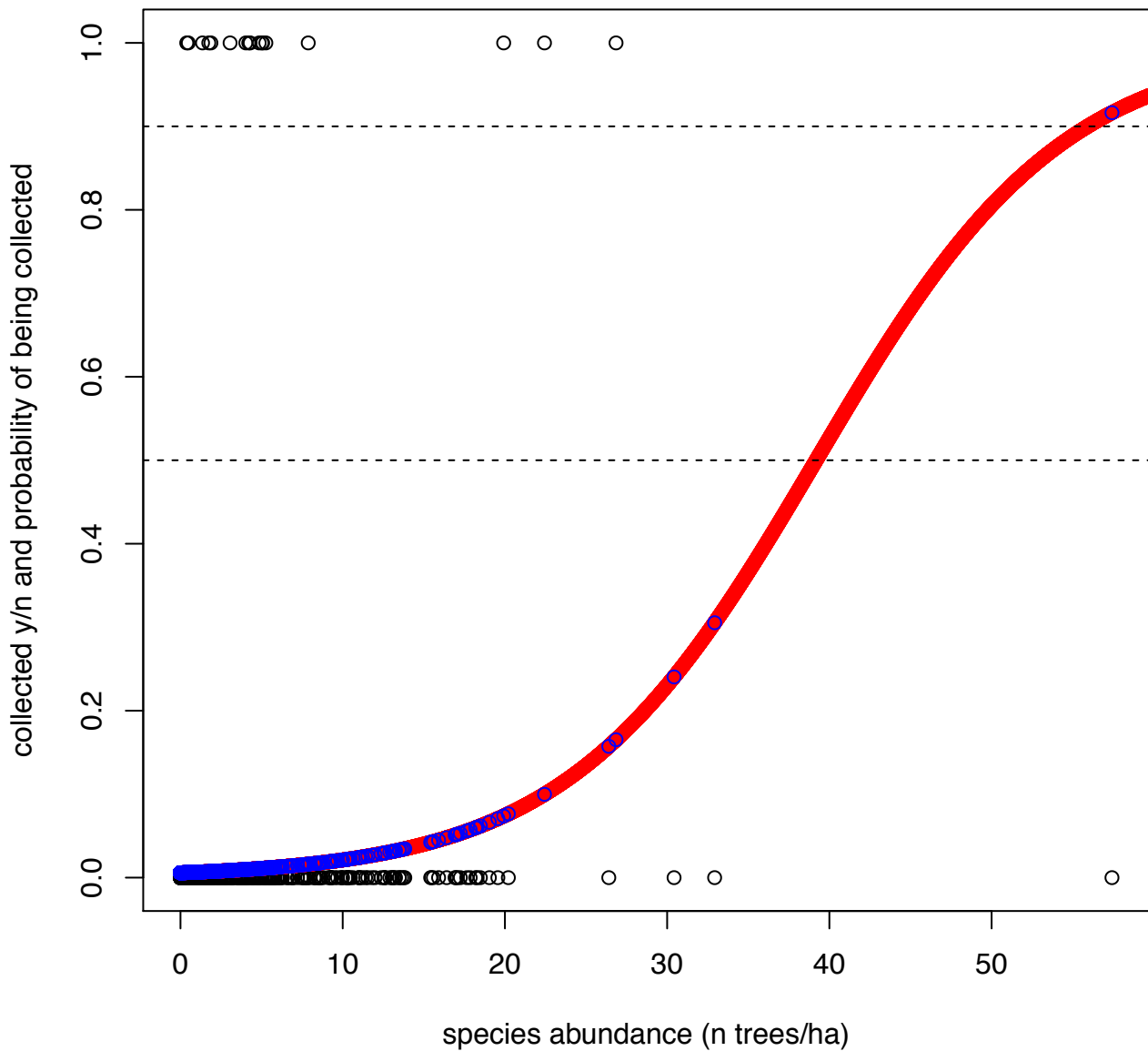
Minquartia_guianensis – Non-significant



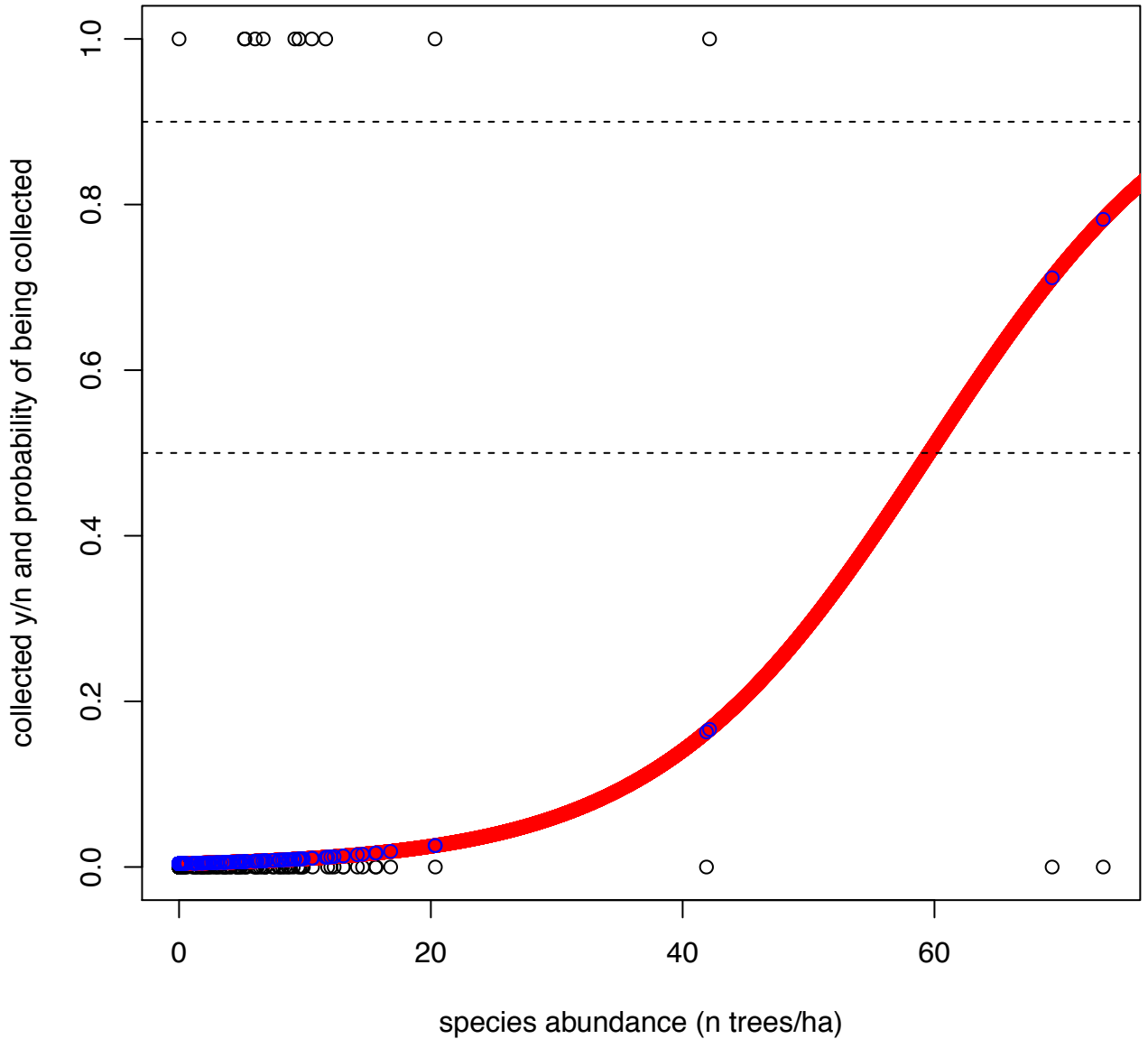
Mollia_gracilis – Non-significant



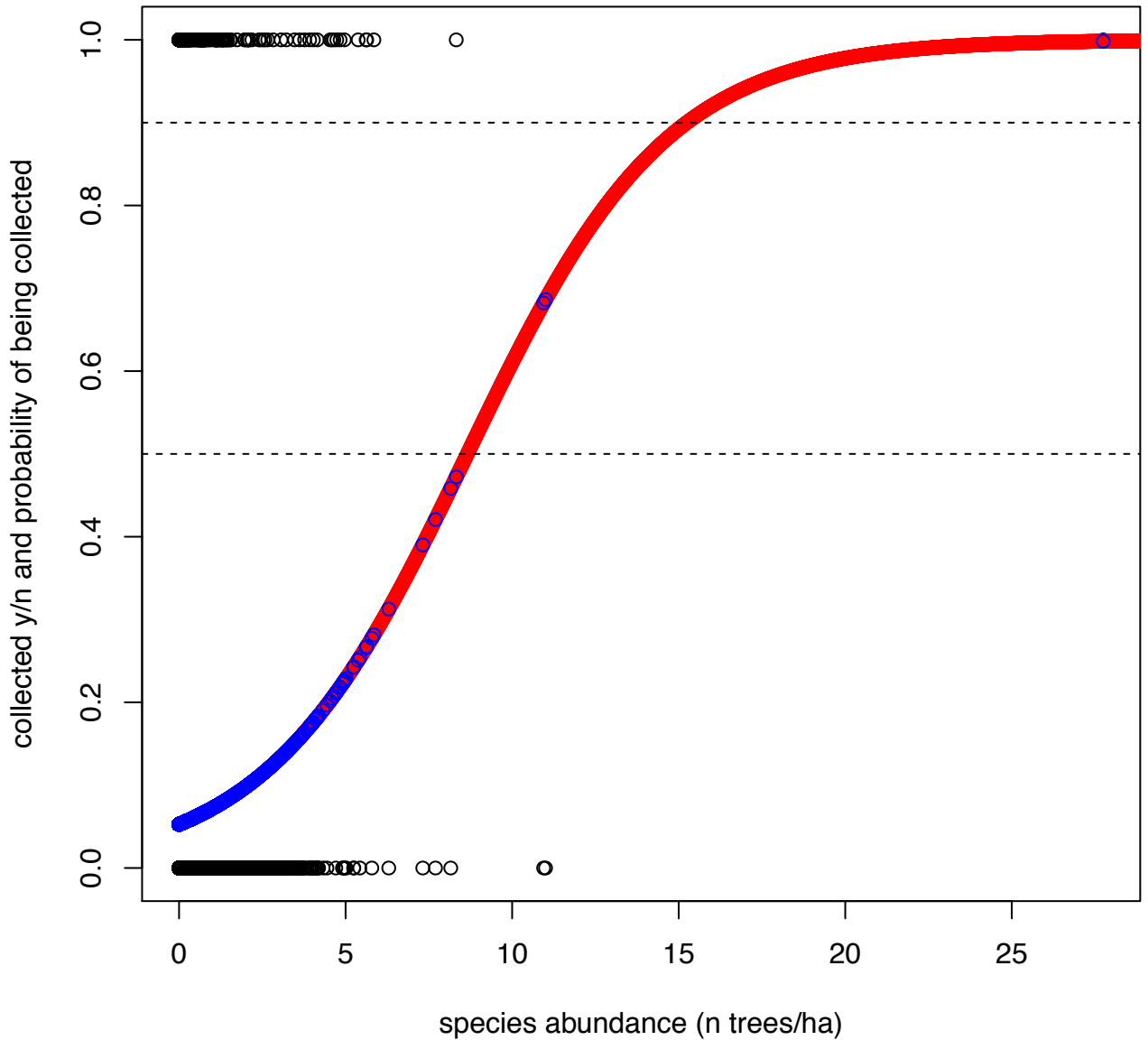
Monopteryx_uaucu – Significant



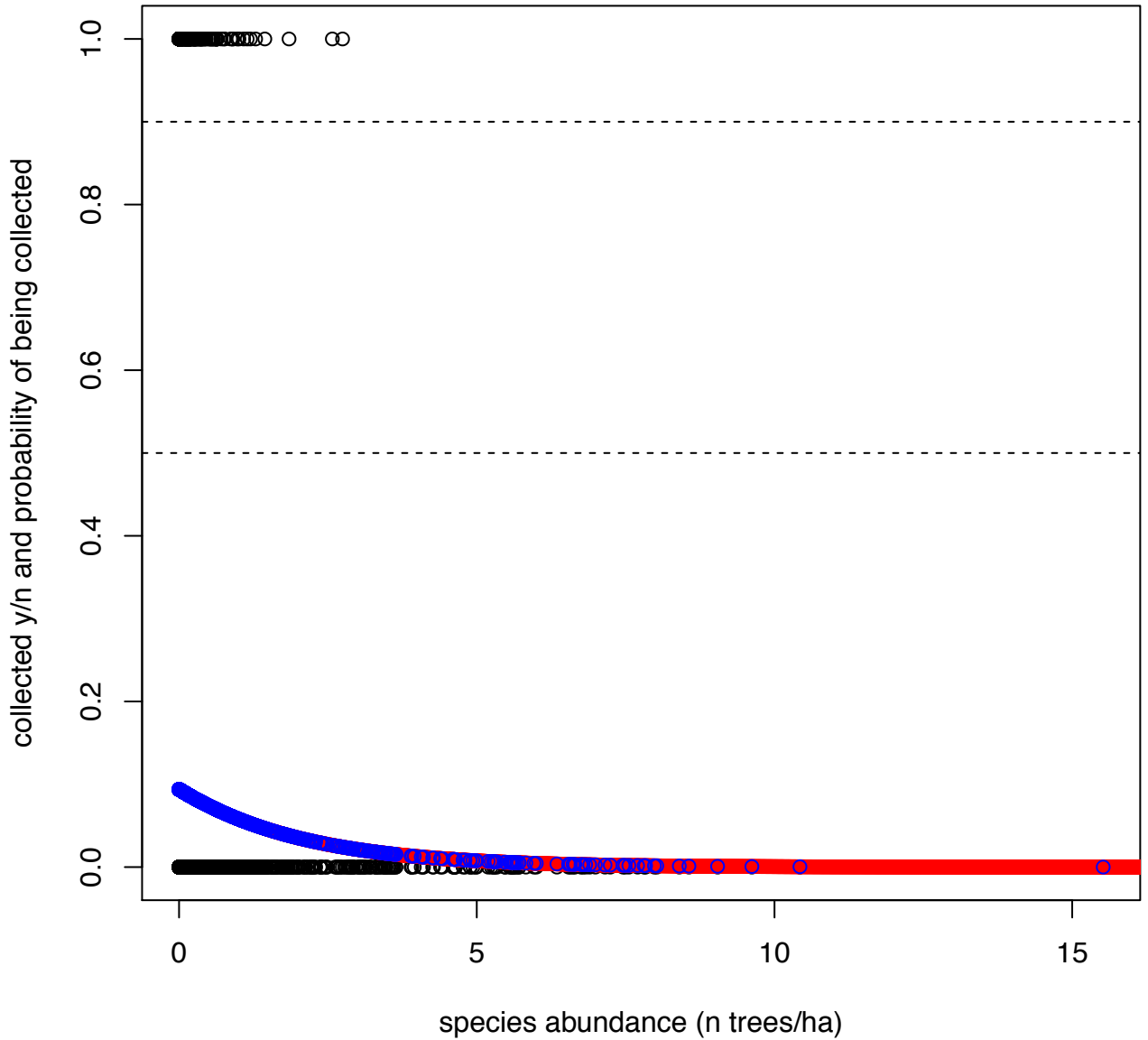
Mora_excelsa – Significant



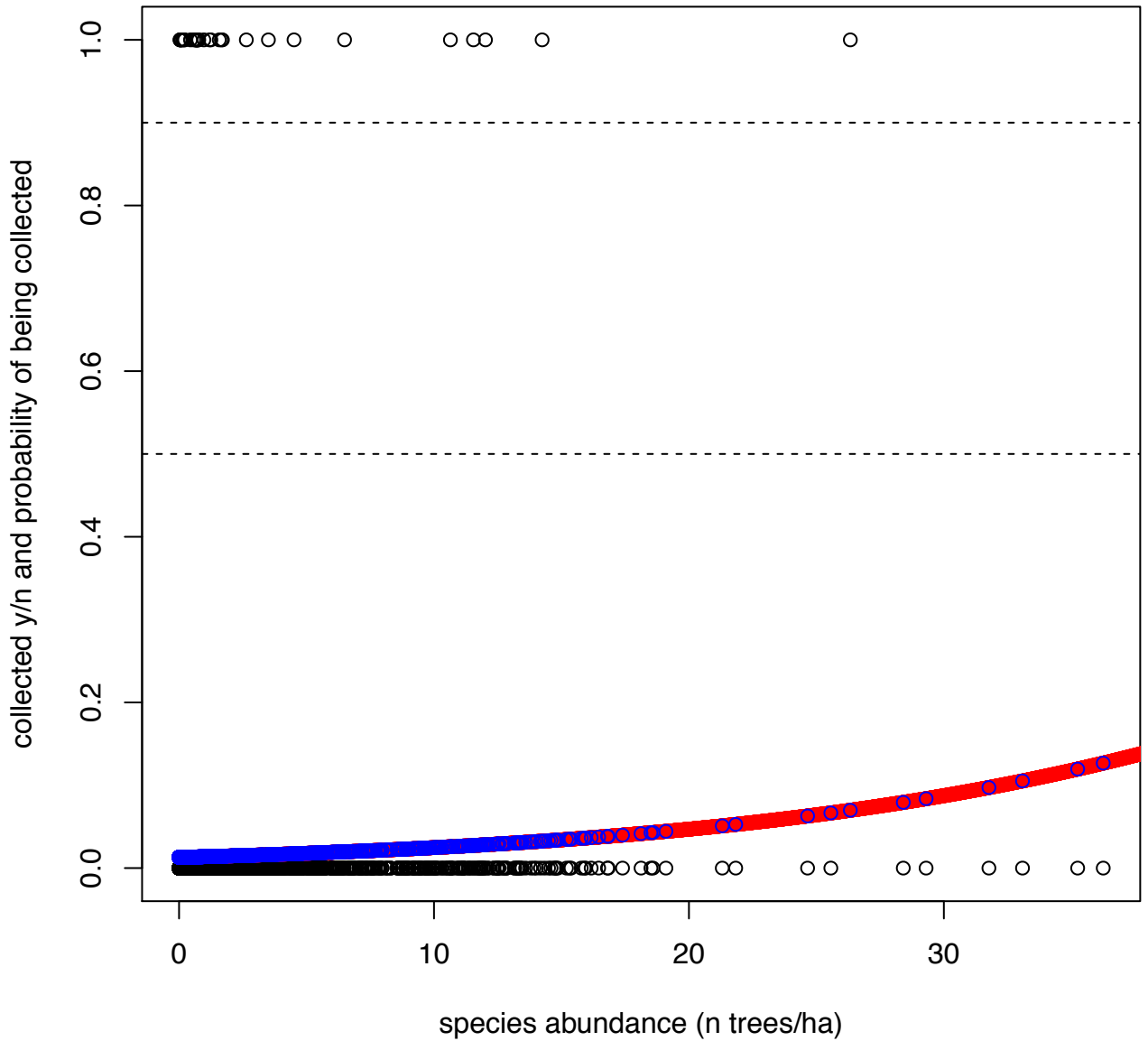
Ocotea_aciphylla – Significant



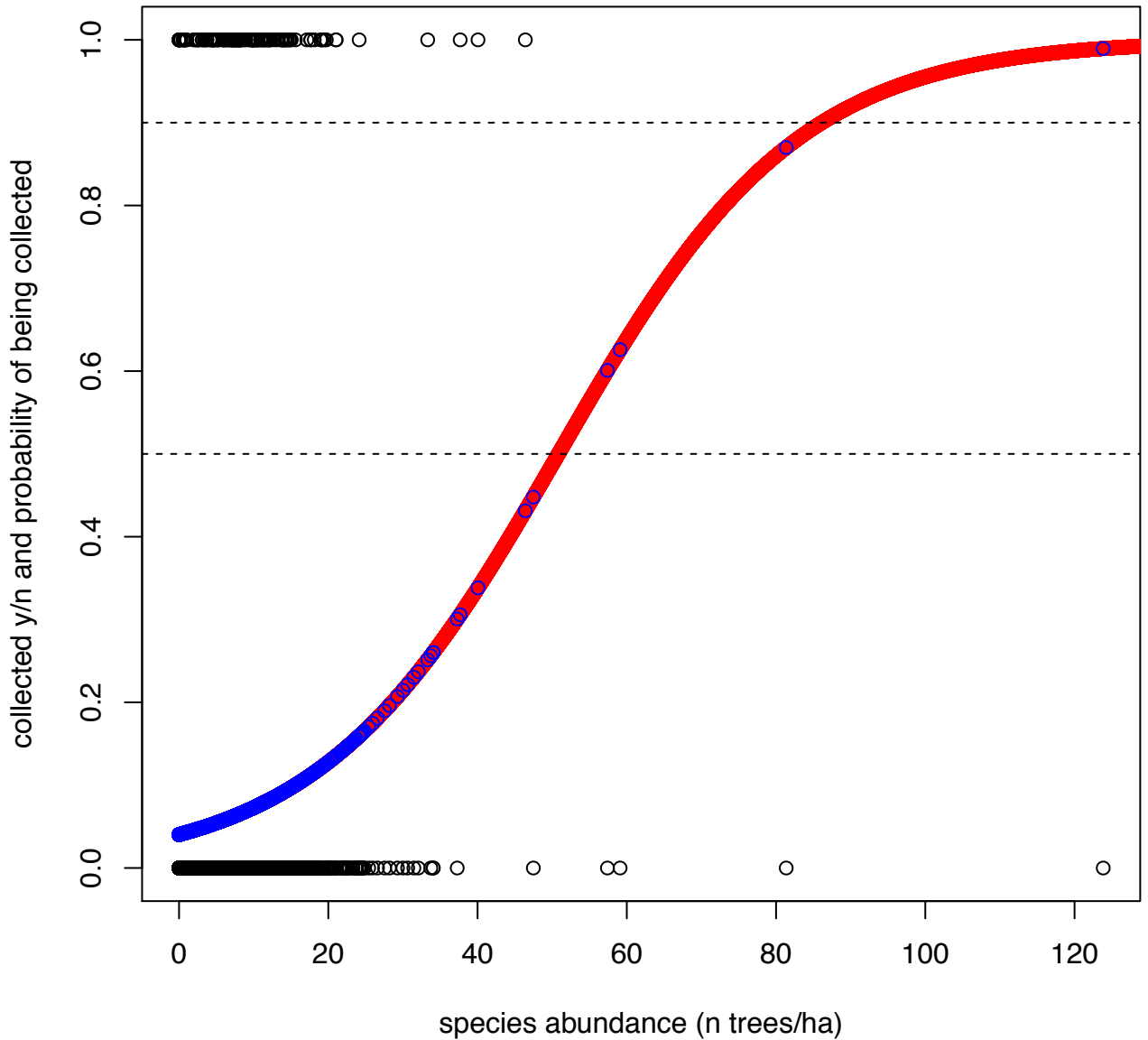
Ocotea_cernua – Non-significant



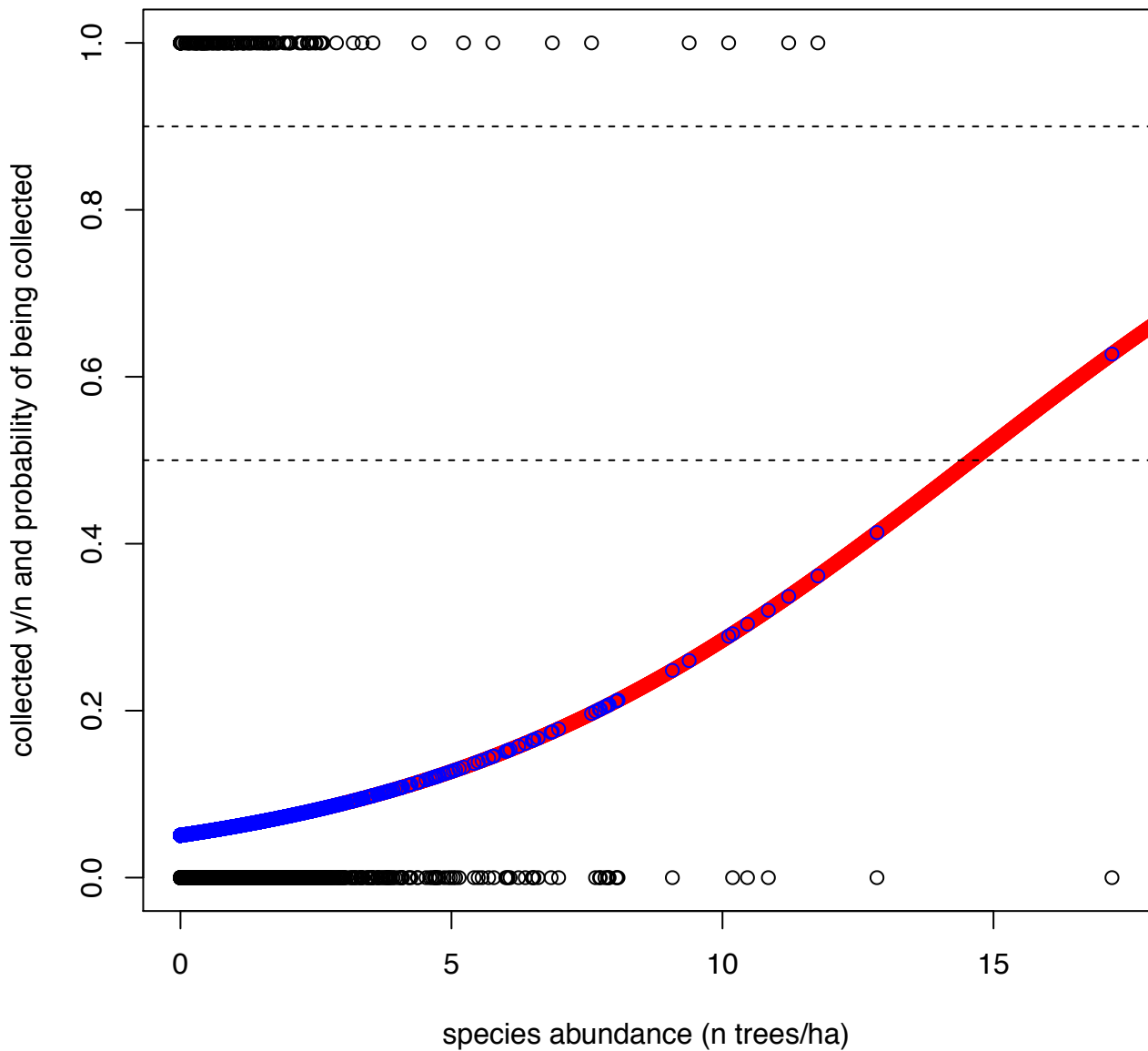
Oenocarpus_bacaba – Significant



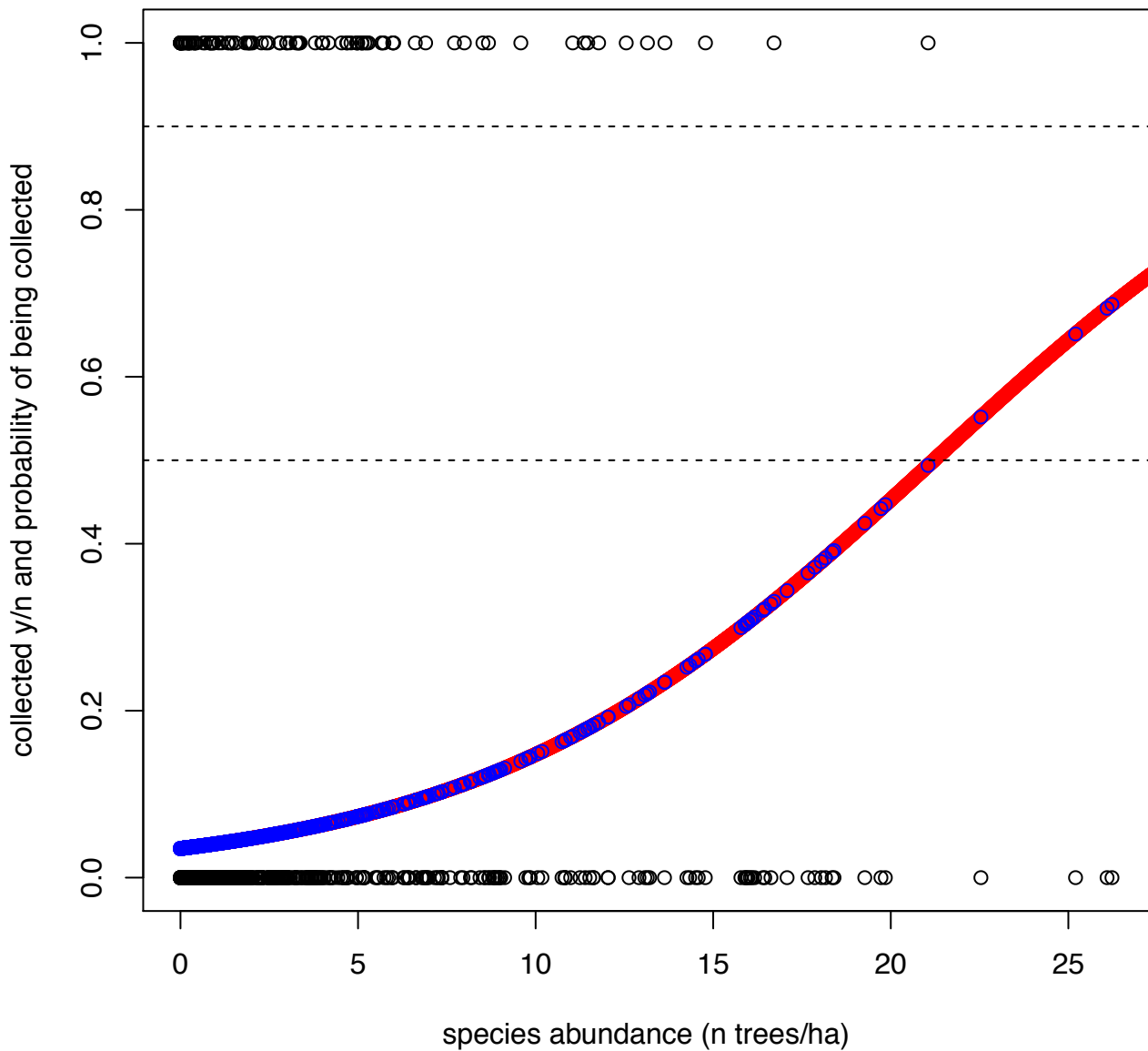
Oenocarpus_bataua – Significant



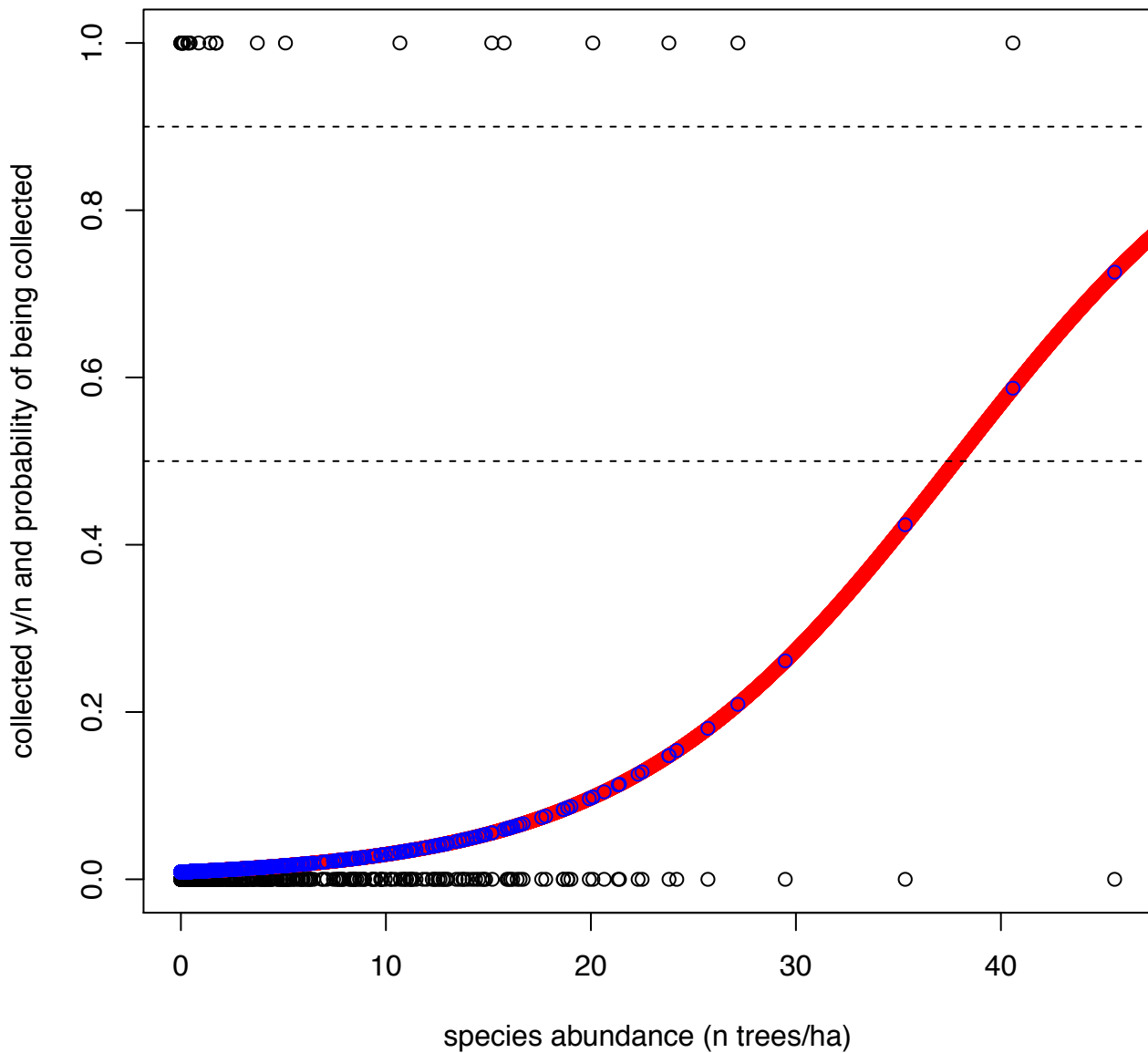
Osteophloeum_platyspermum – Significant



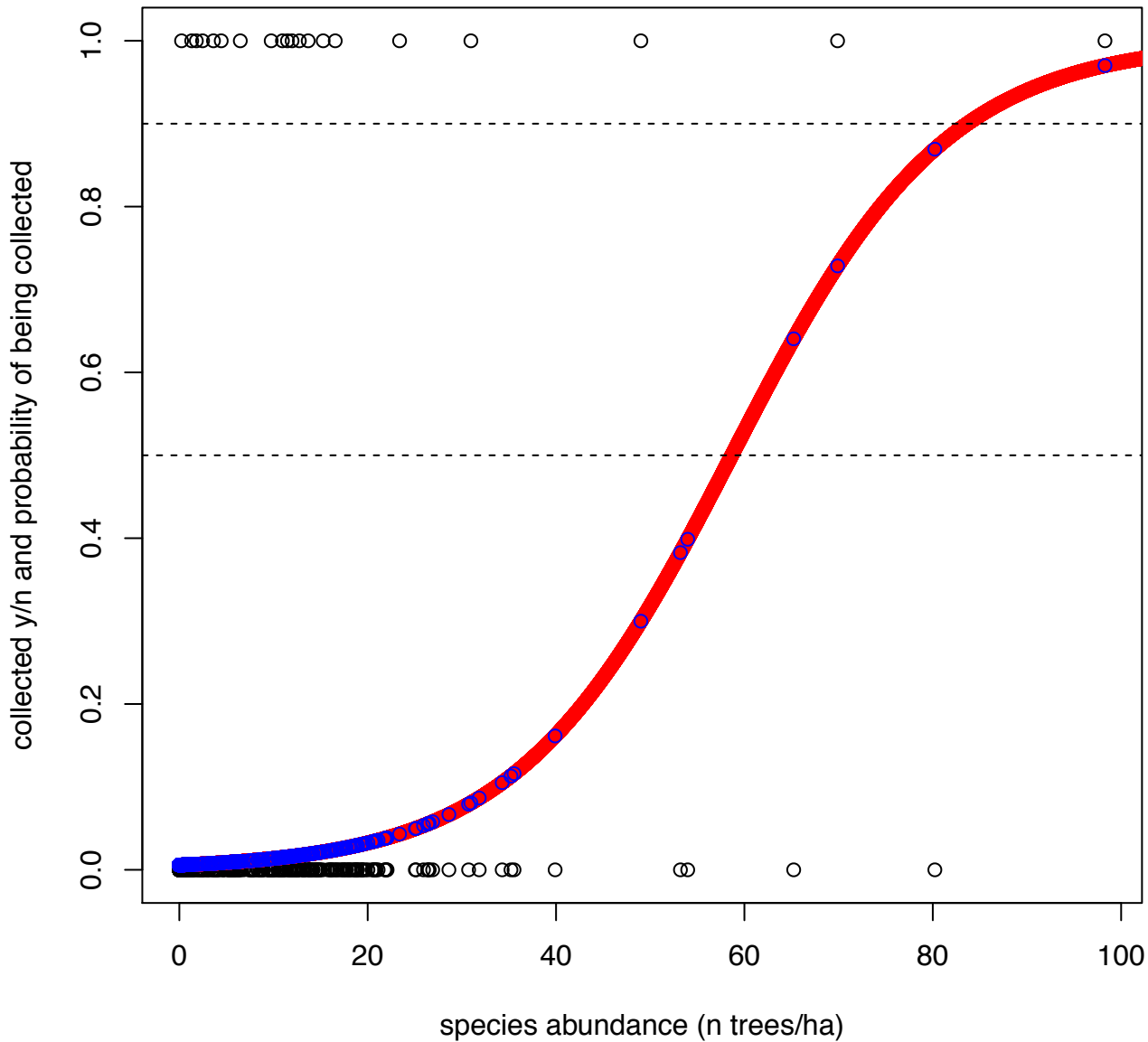
Otoba_parvifolia – Significant



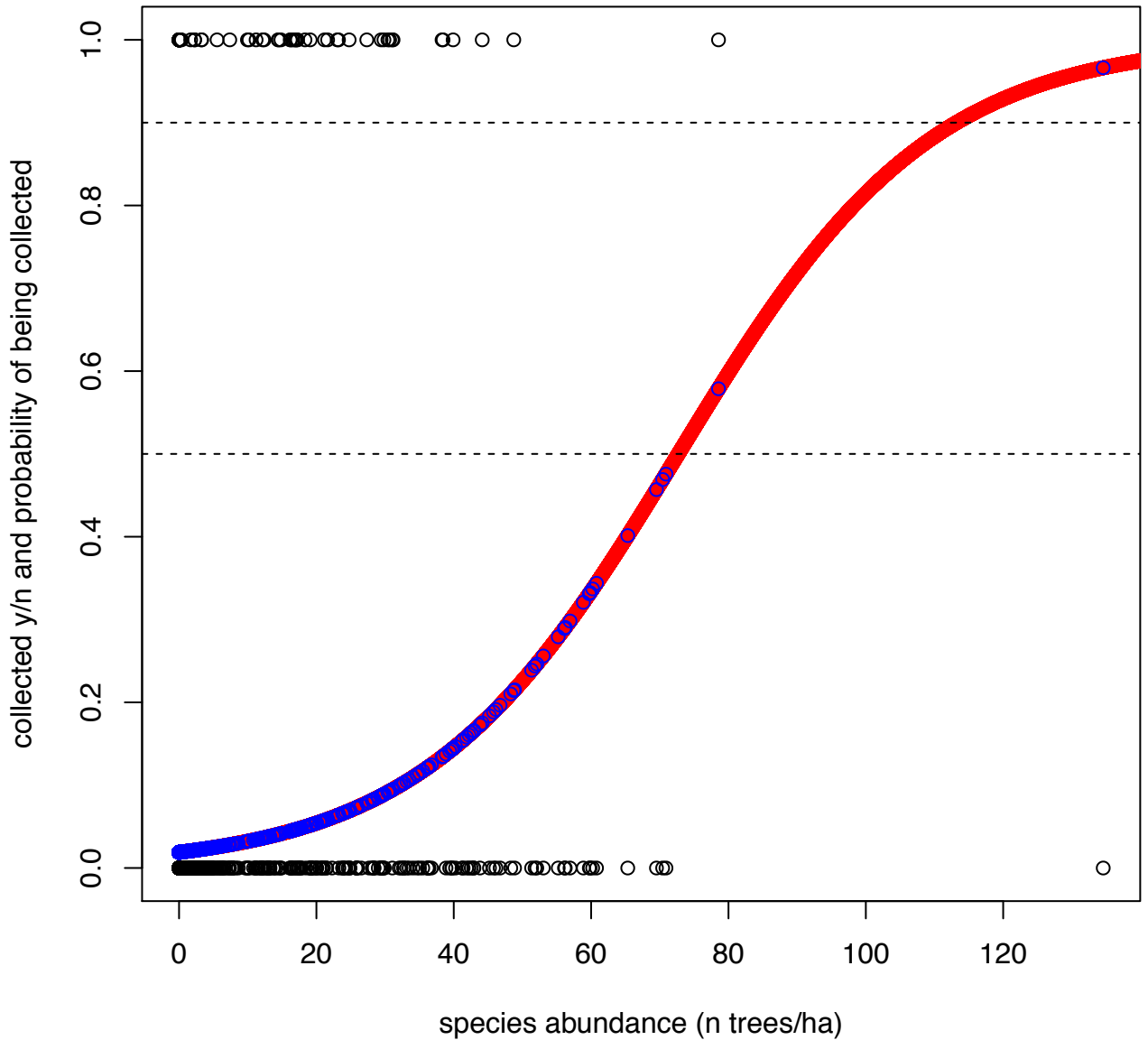
Oxandra_polyantha – Significant



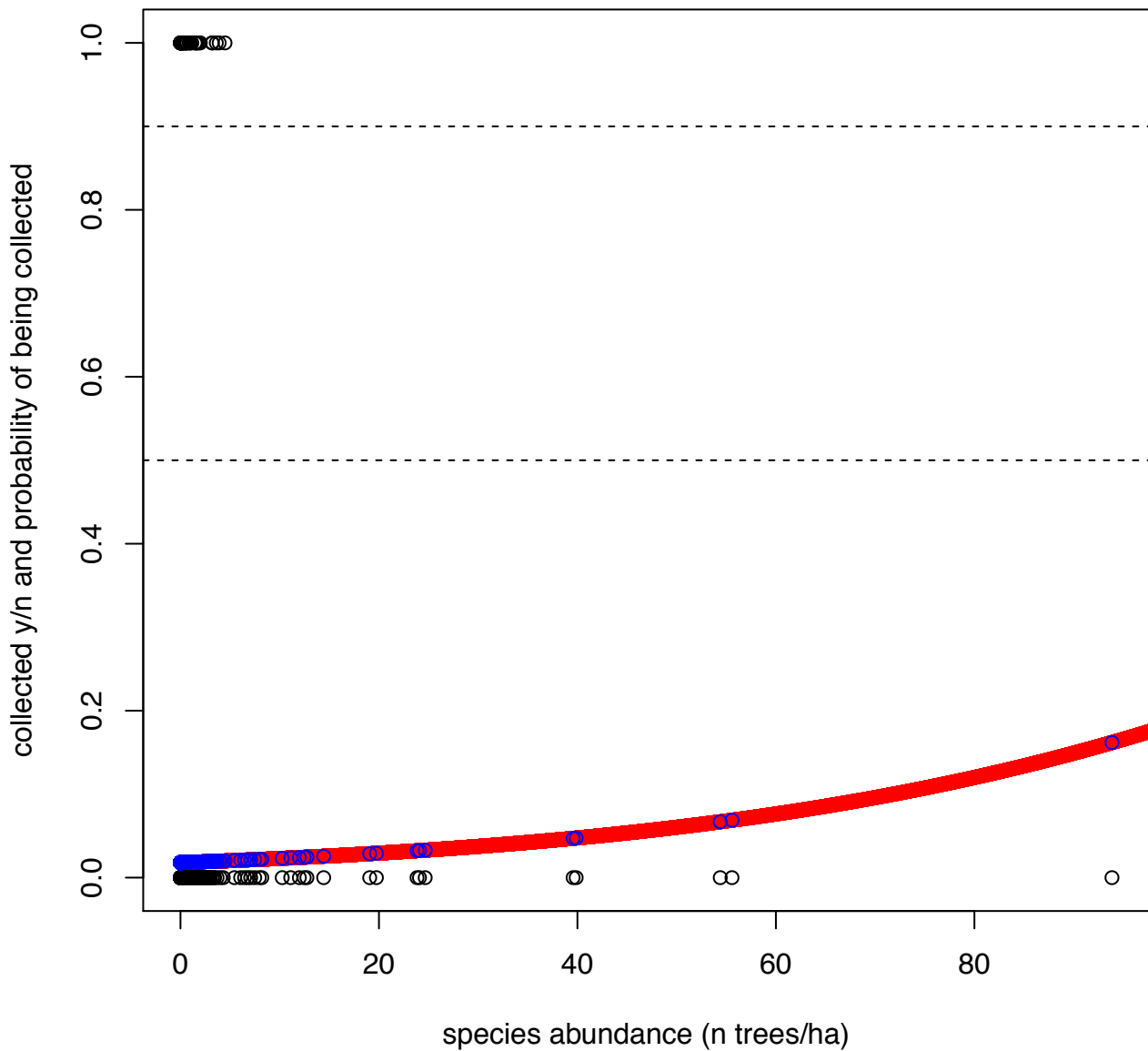
Pachira_brevipes – Significant



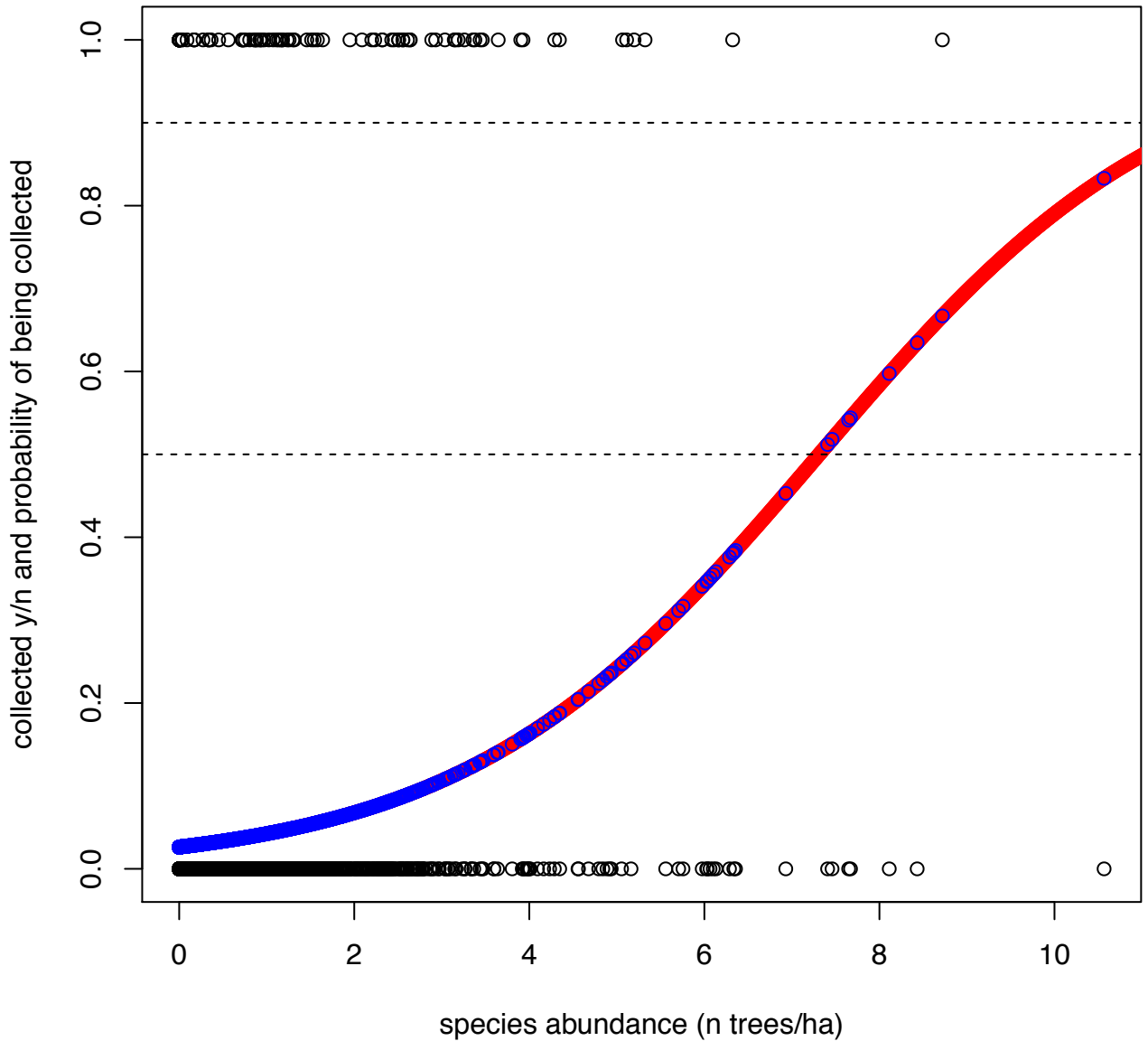
Pentaclethra_macroloba – Significant



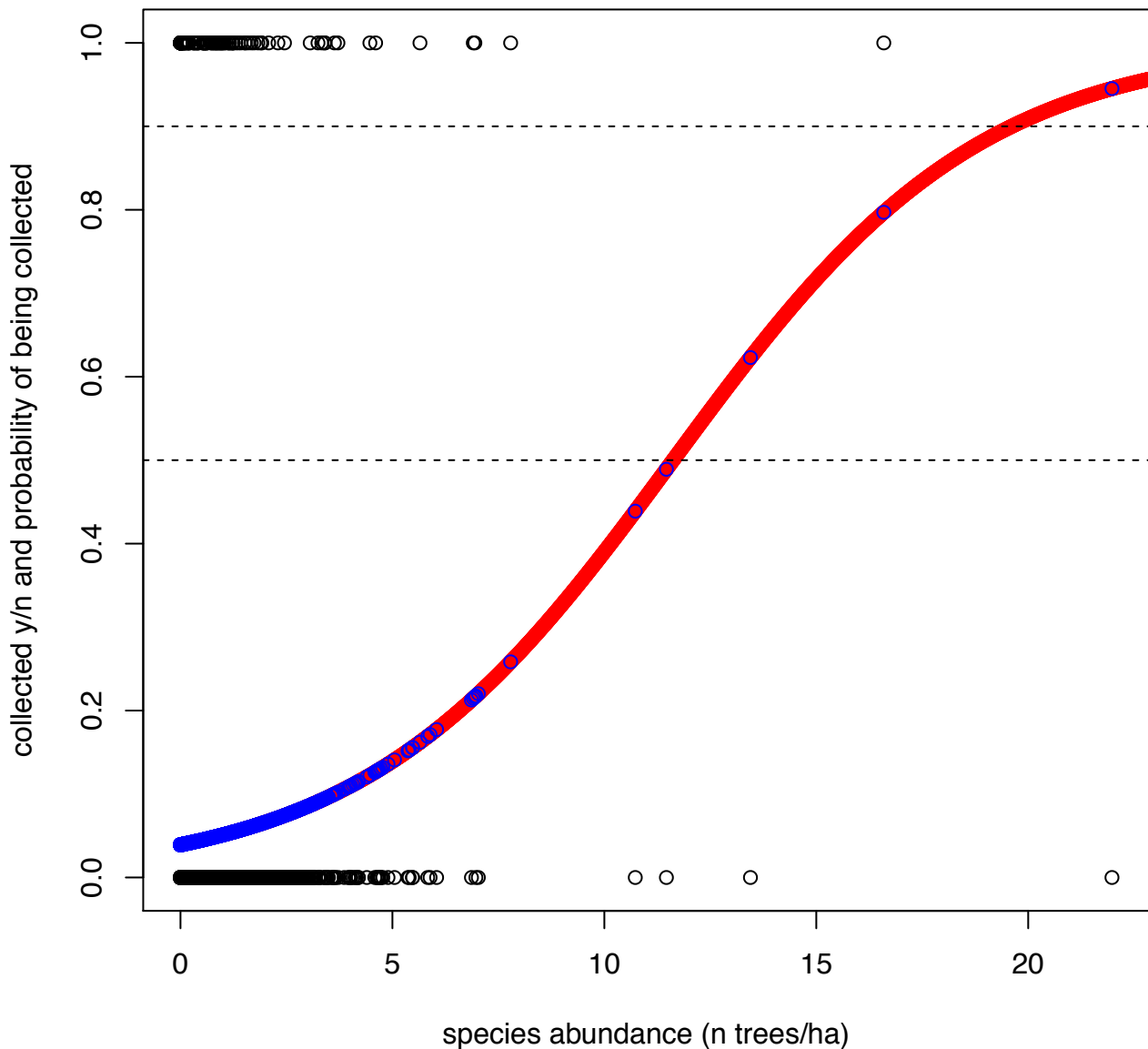
Poulsenia_armata – Non-significant



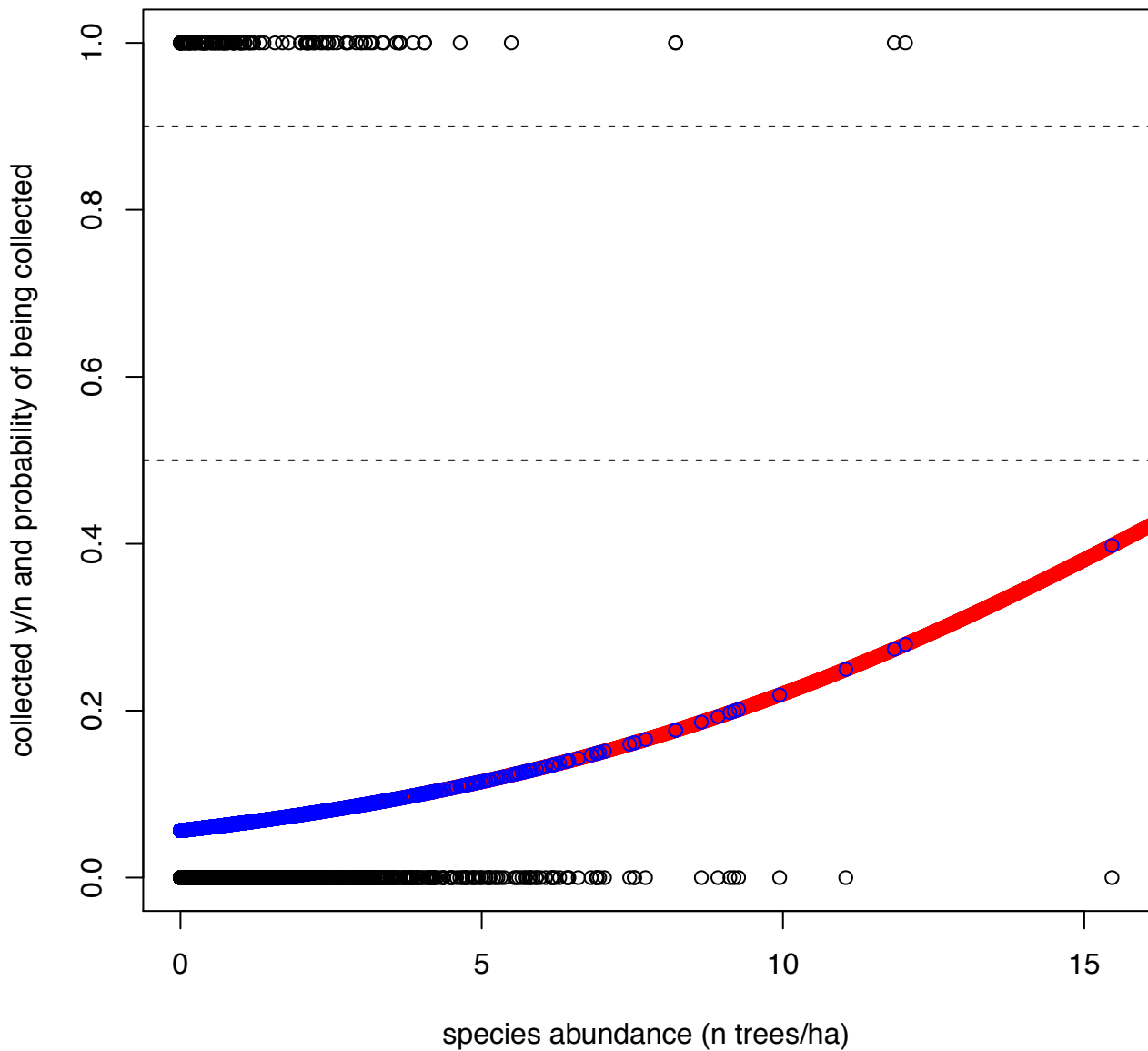
Pourouma_bicolor – Significant



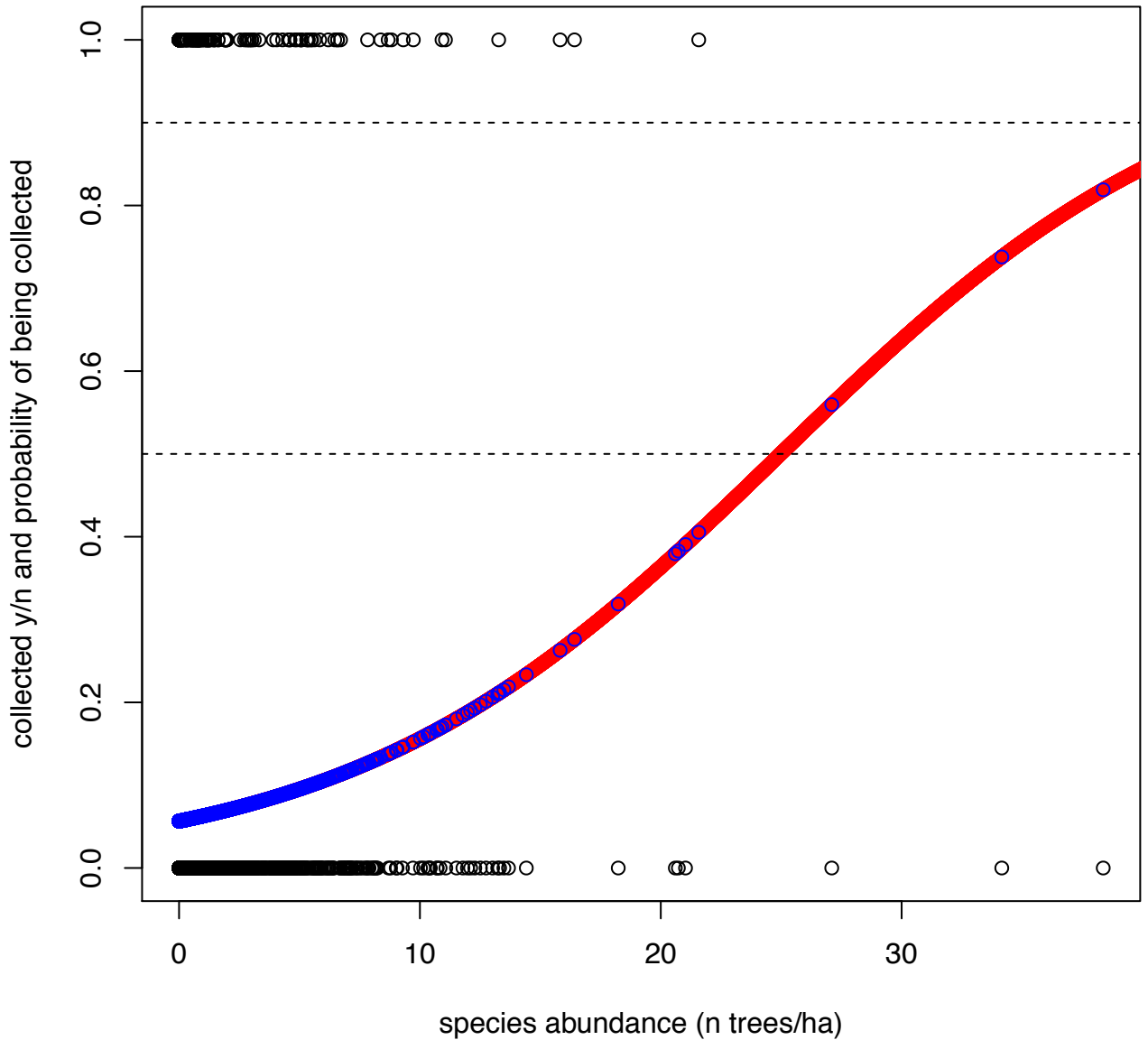
Pourouma_cecropiifolia – Significant



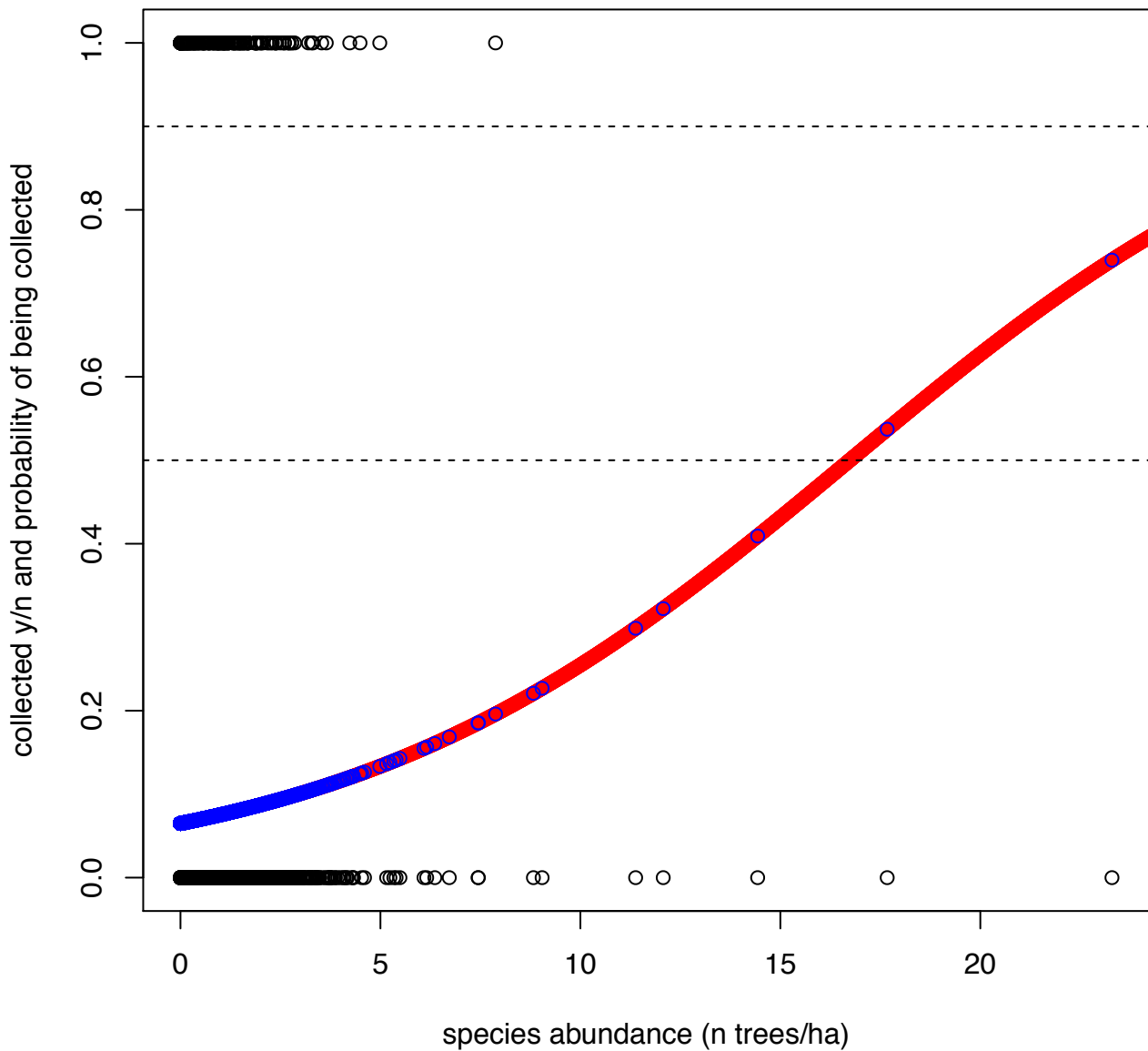
Pourouma_guianensis – Significant



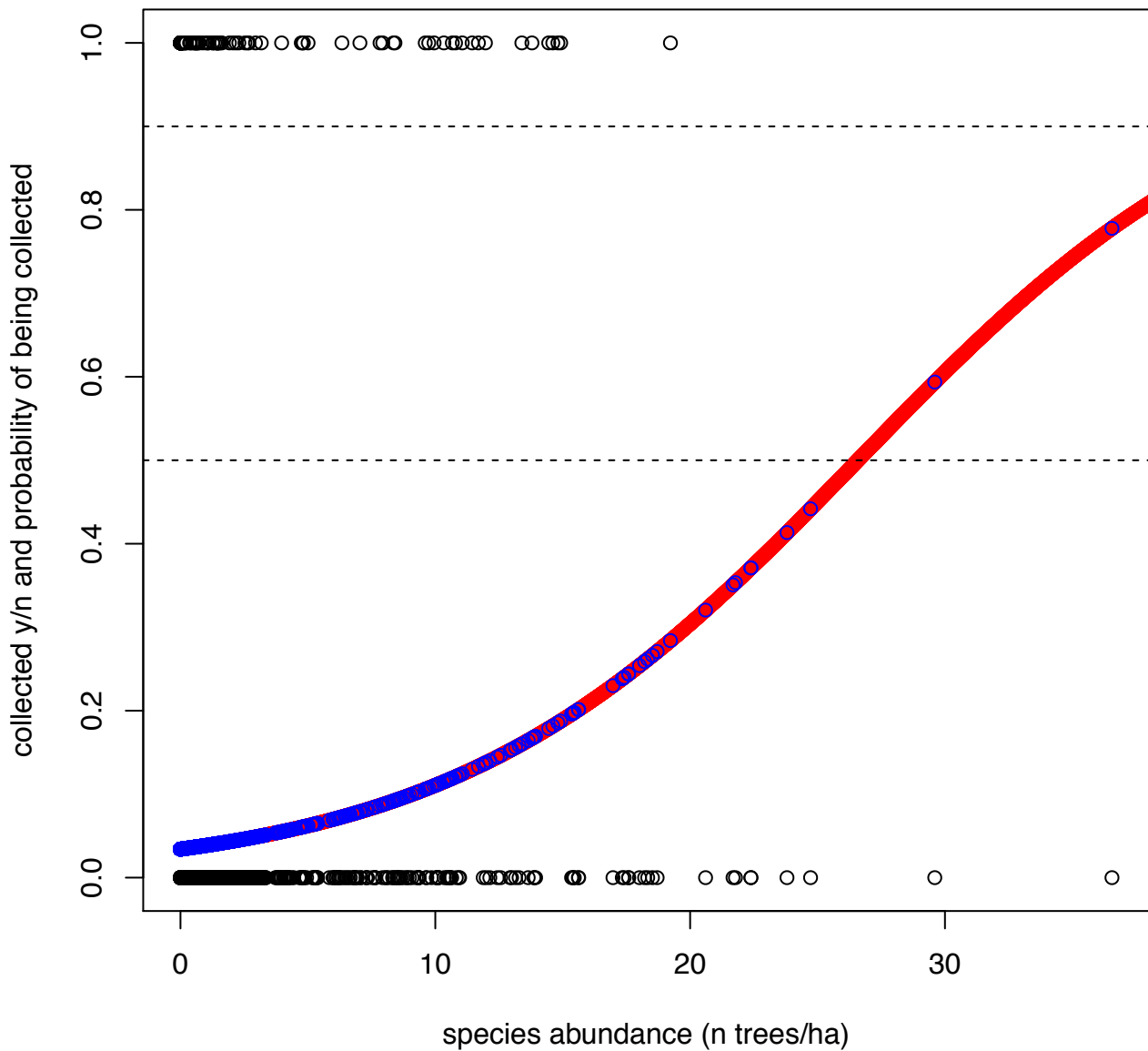
Pourouma_minor – Significant



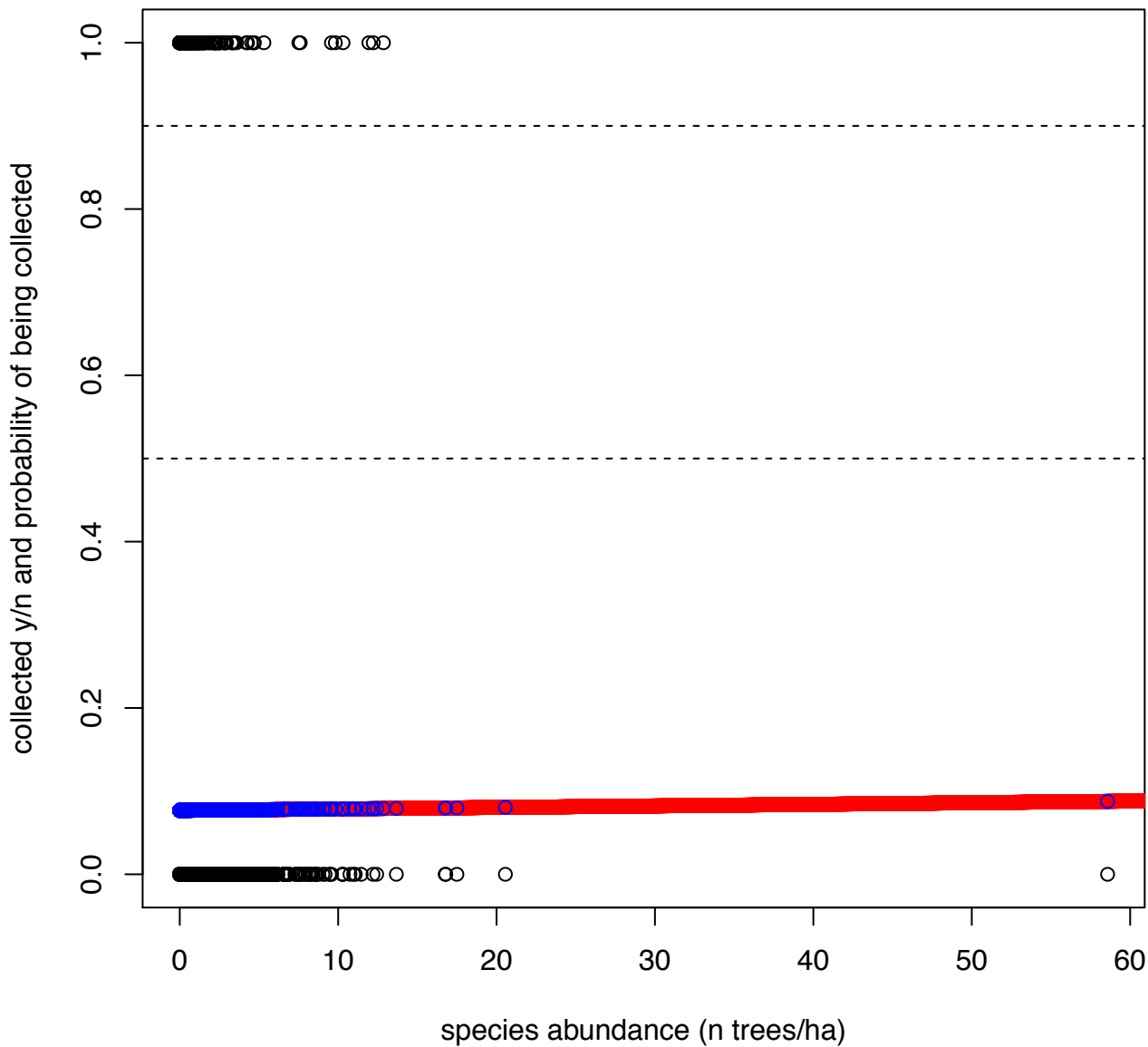
Pouteria_cuspidata – Significant



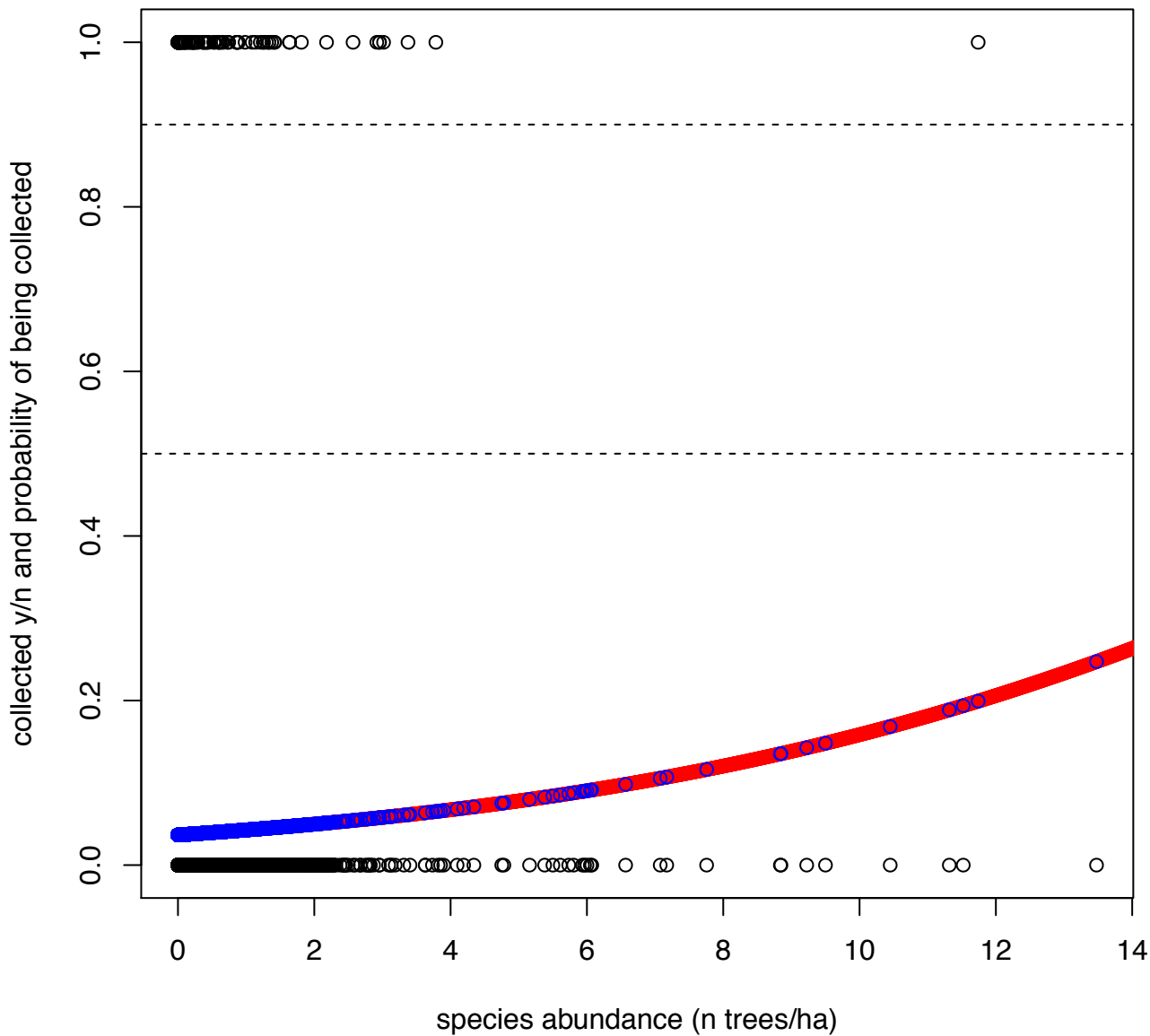
Pouteria_elegans – Significant



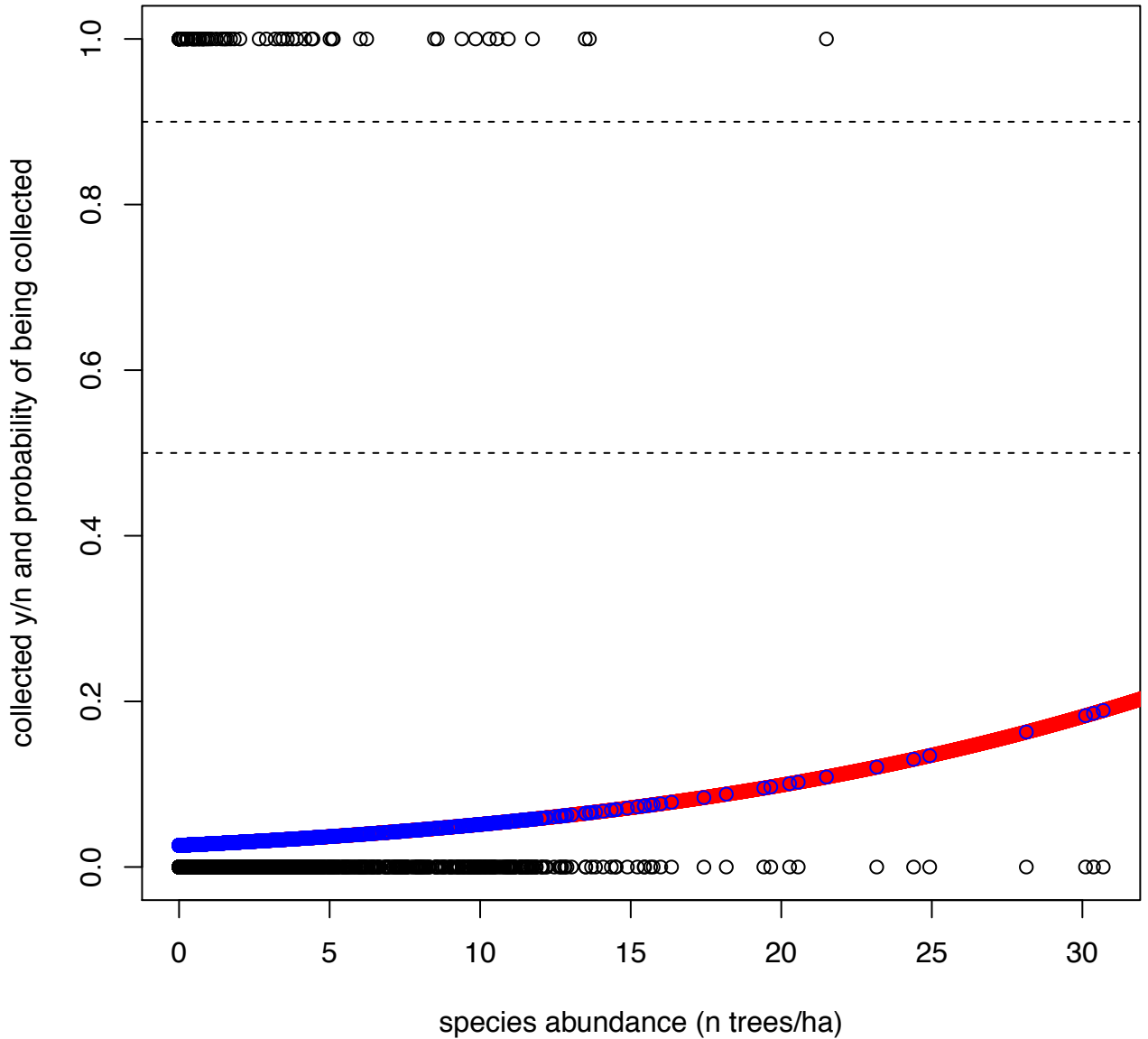
Pouteria_guianensis – Non-significant



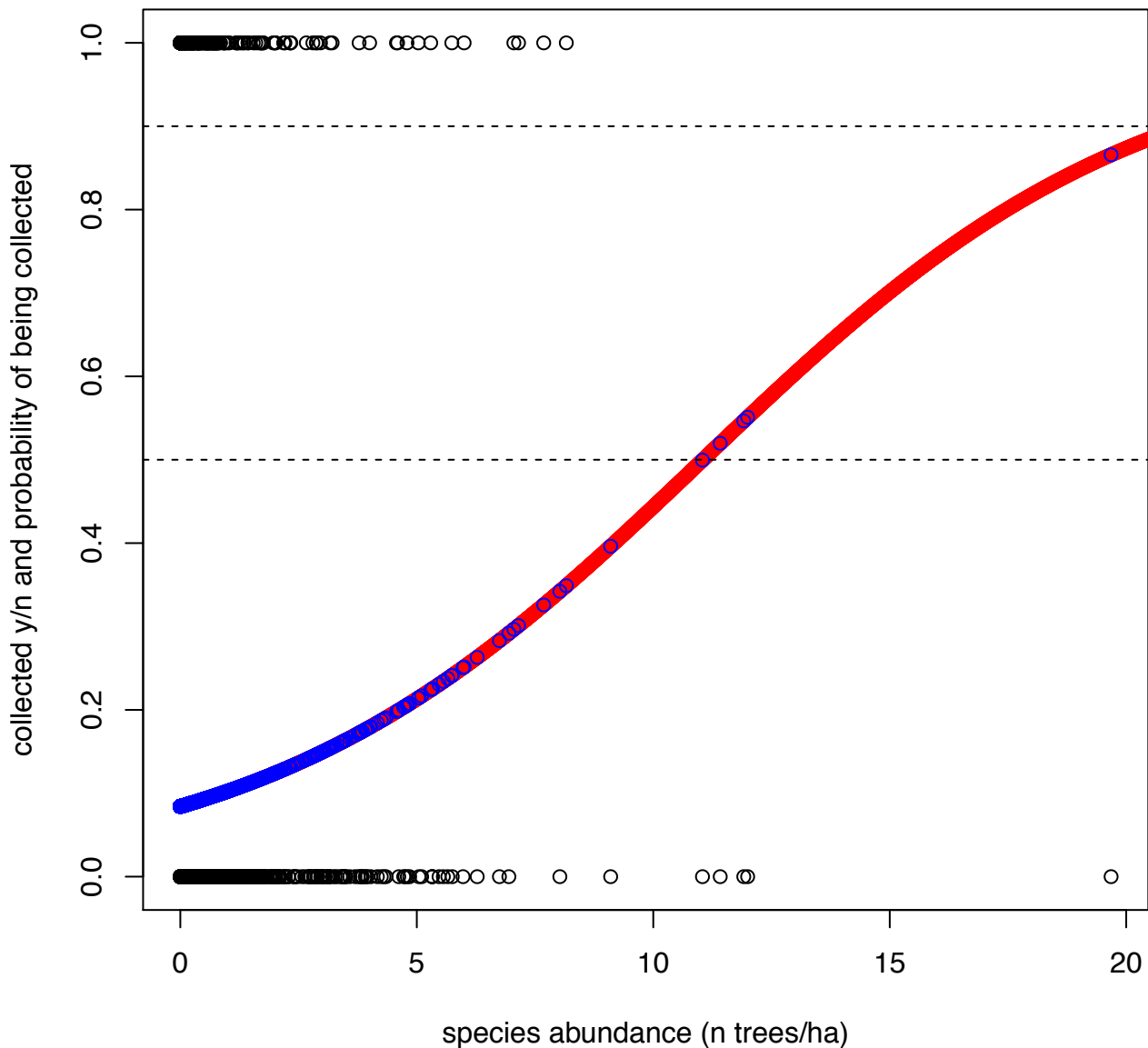
Pouteria_reticulata – Significant



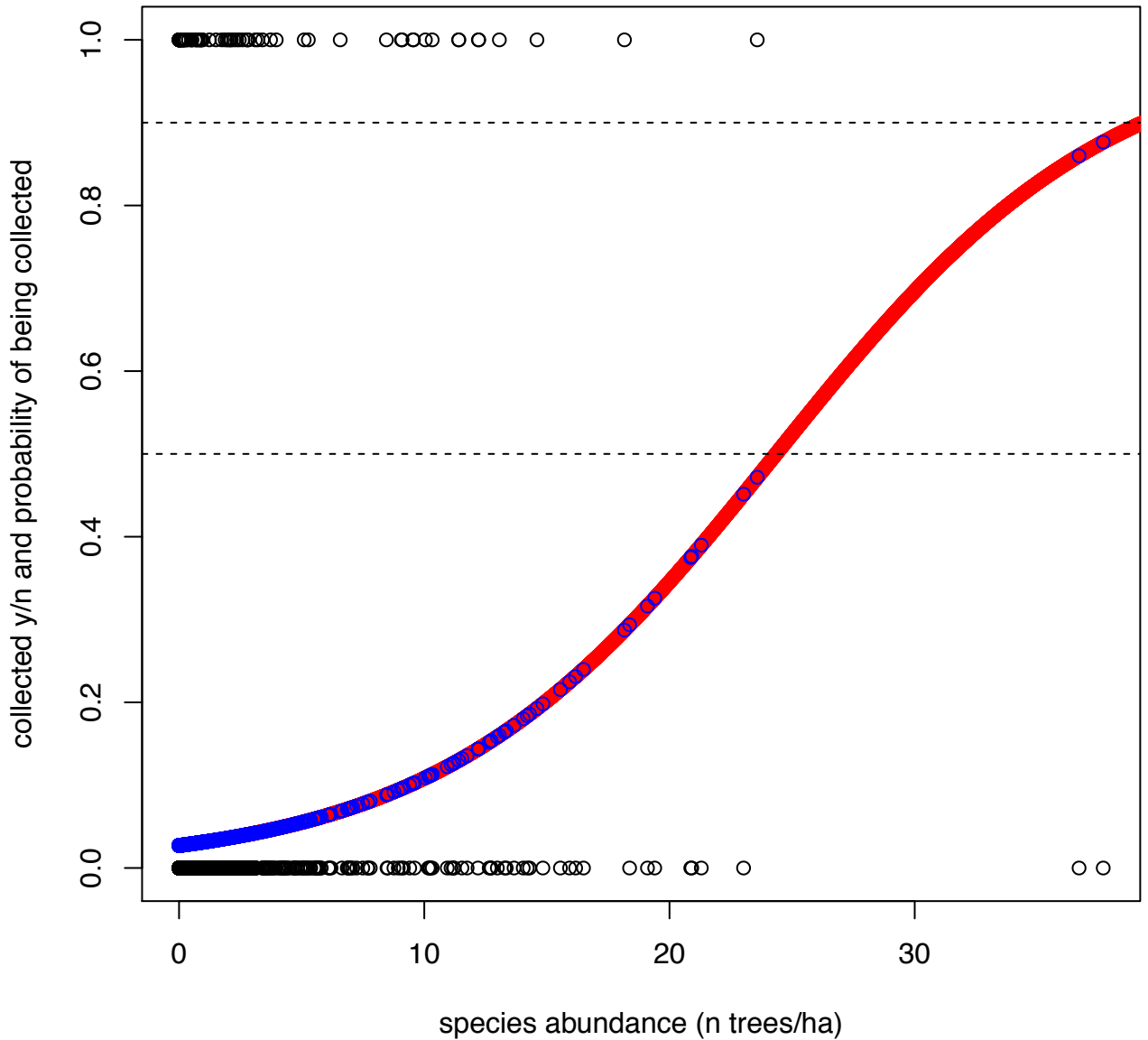
Protium_apiculatum – Significant



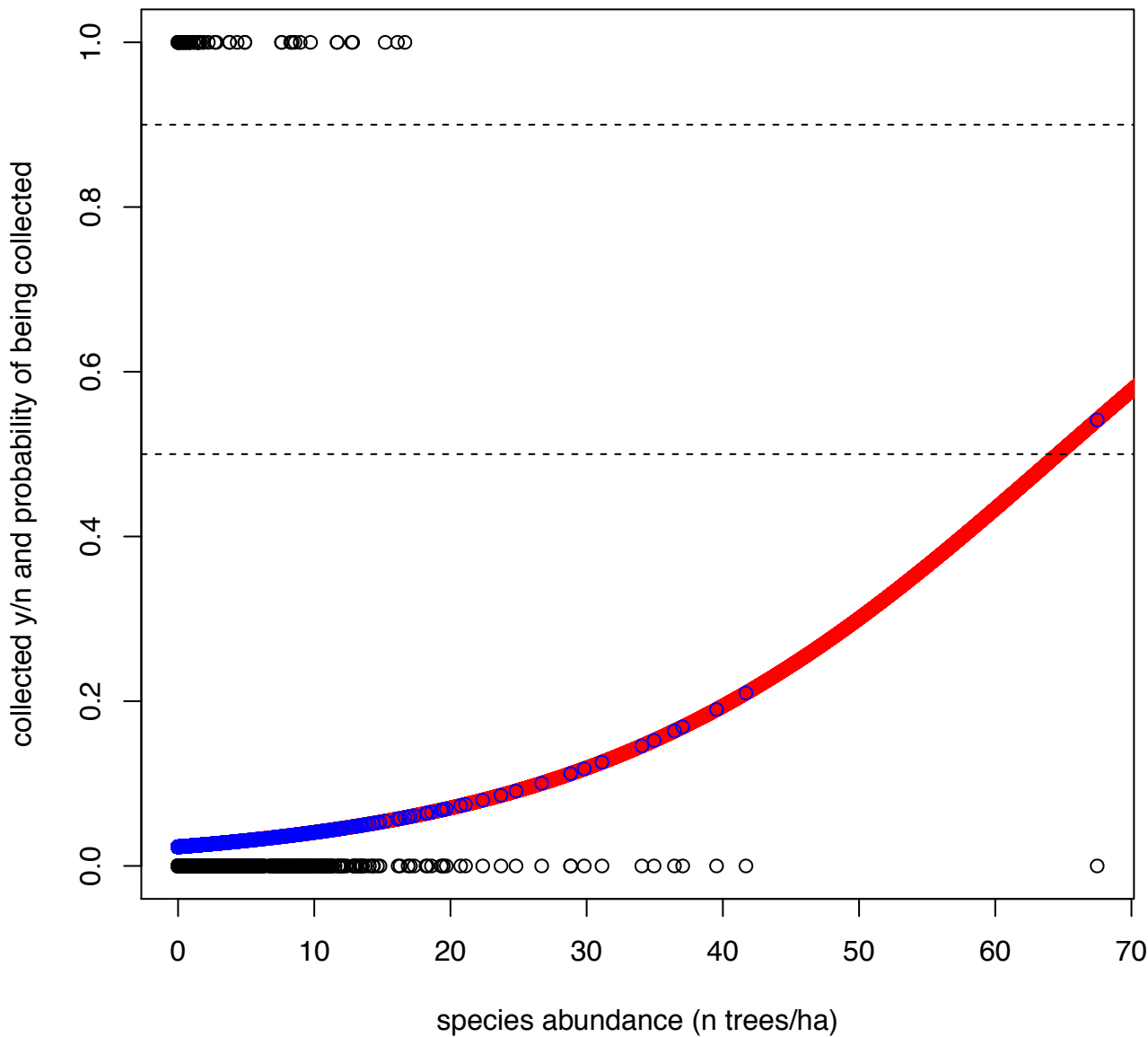
Protium_aracouchini – Significant



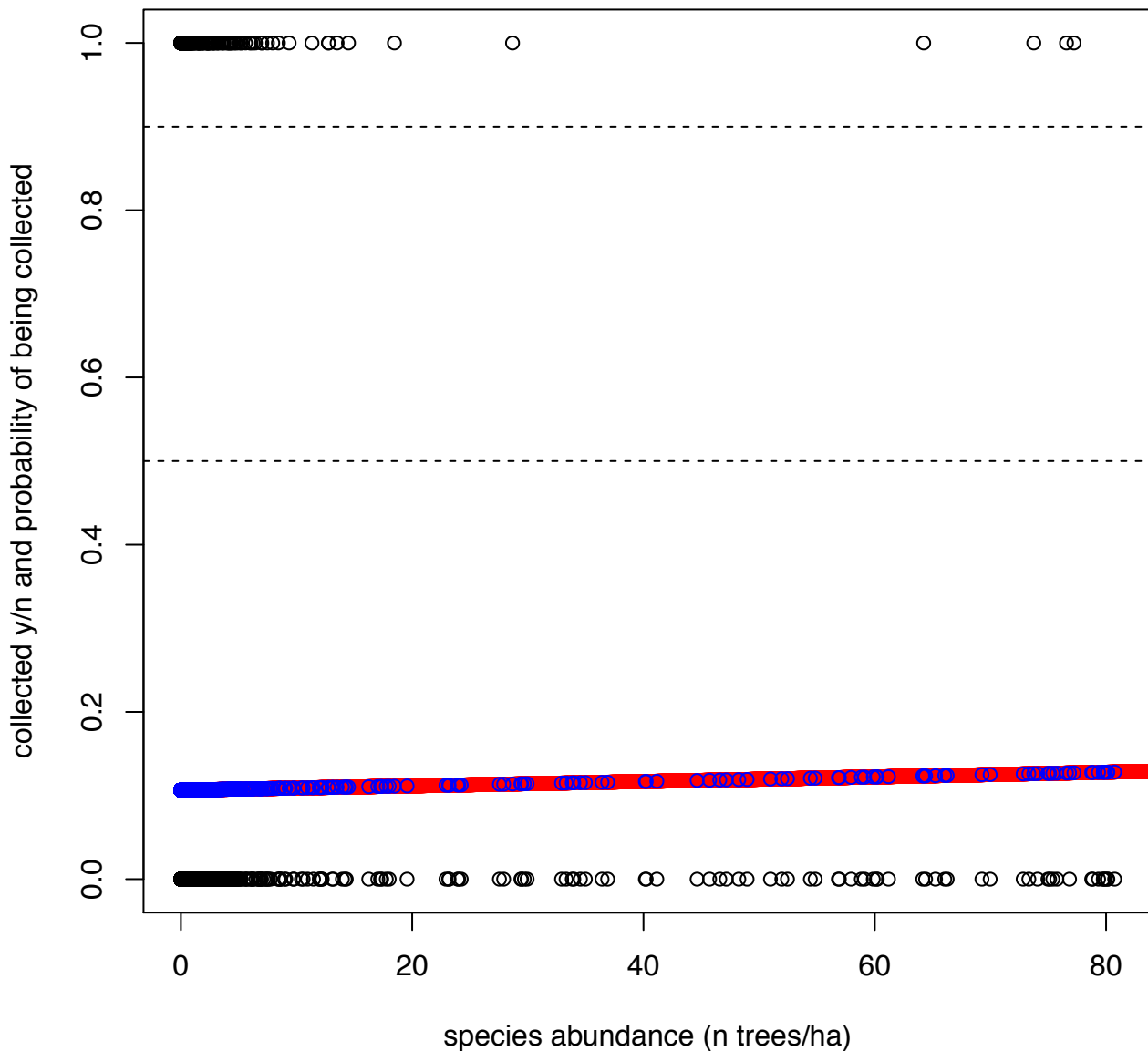
Protium_decandrum – Significant



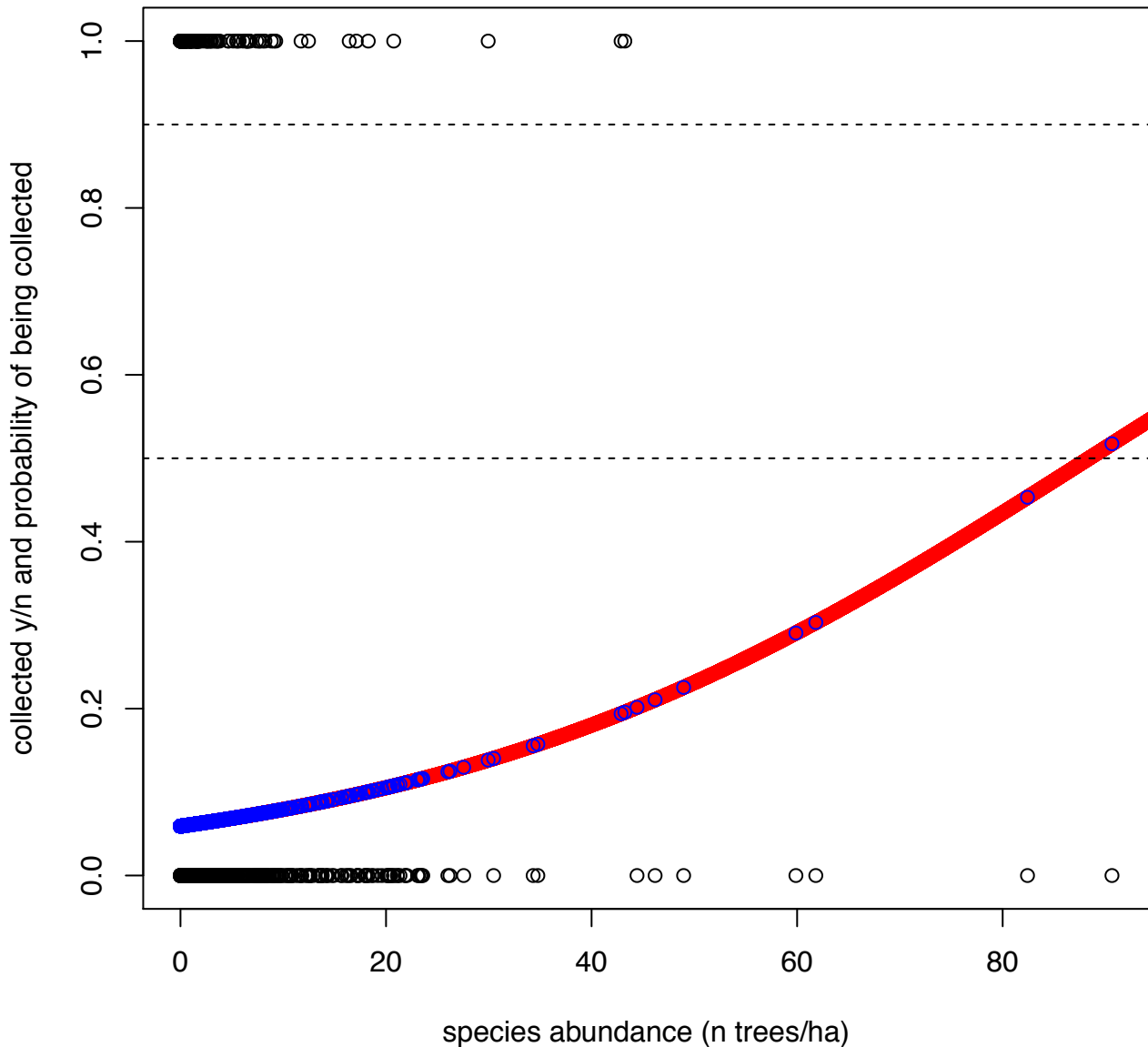
Protium_hebetatum – Significant



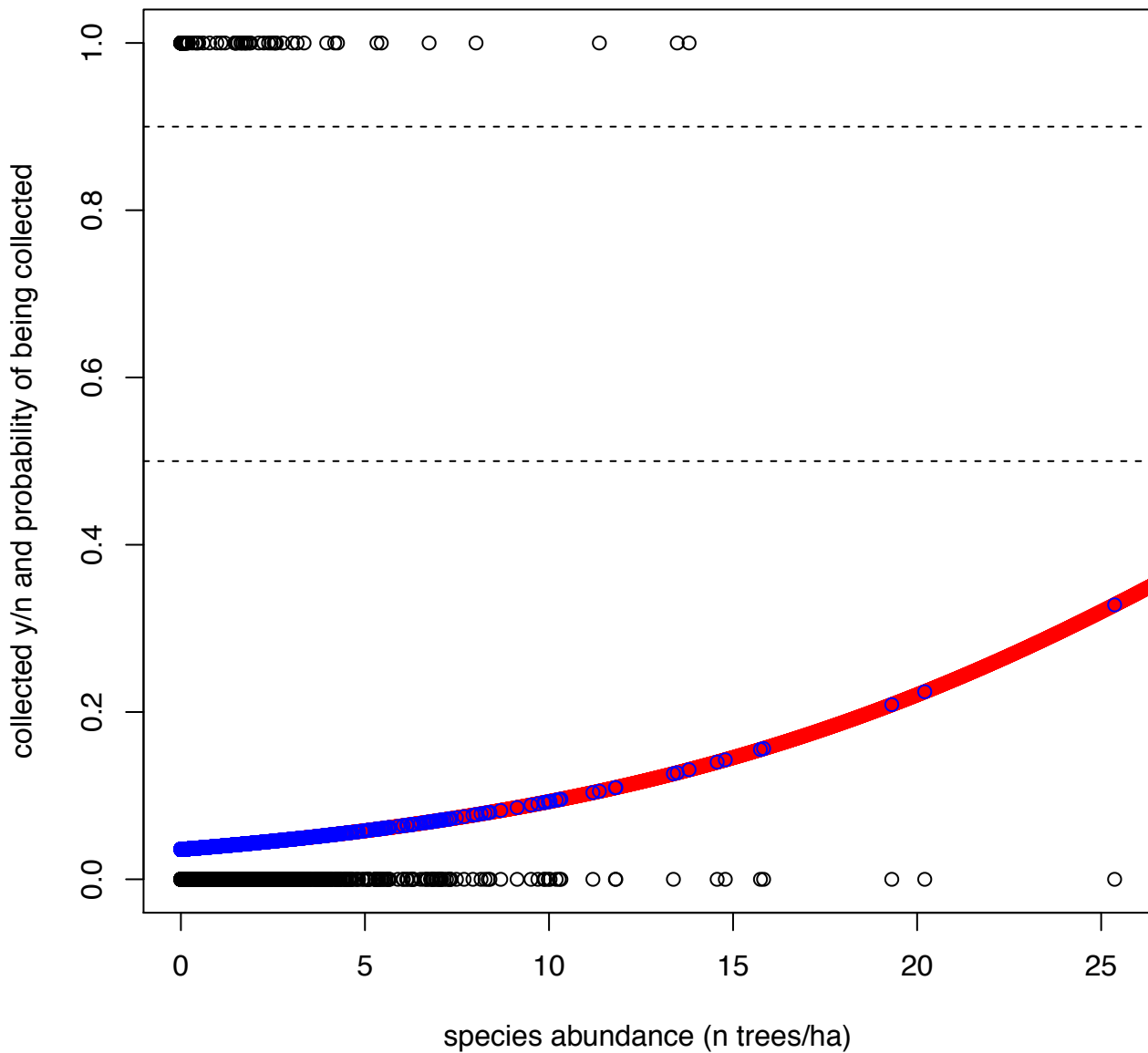
Protium_heptaphyllum – Non-significant



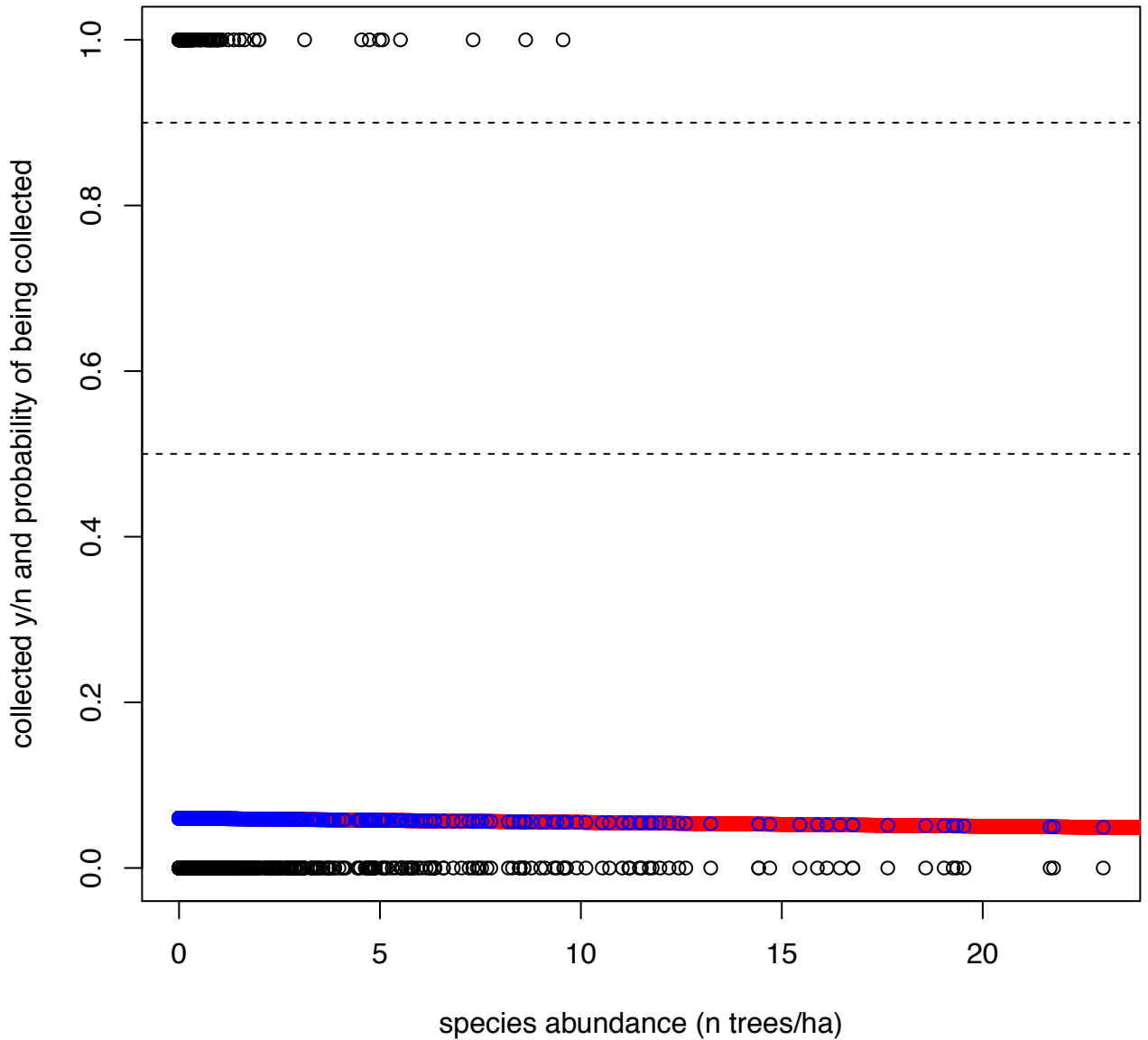
Protium_sagotianum – Significant



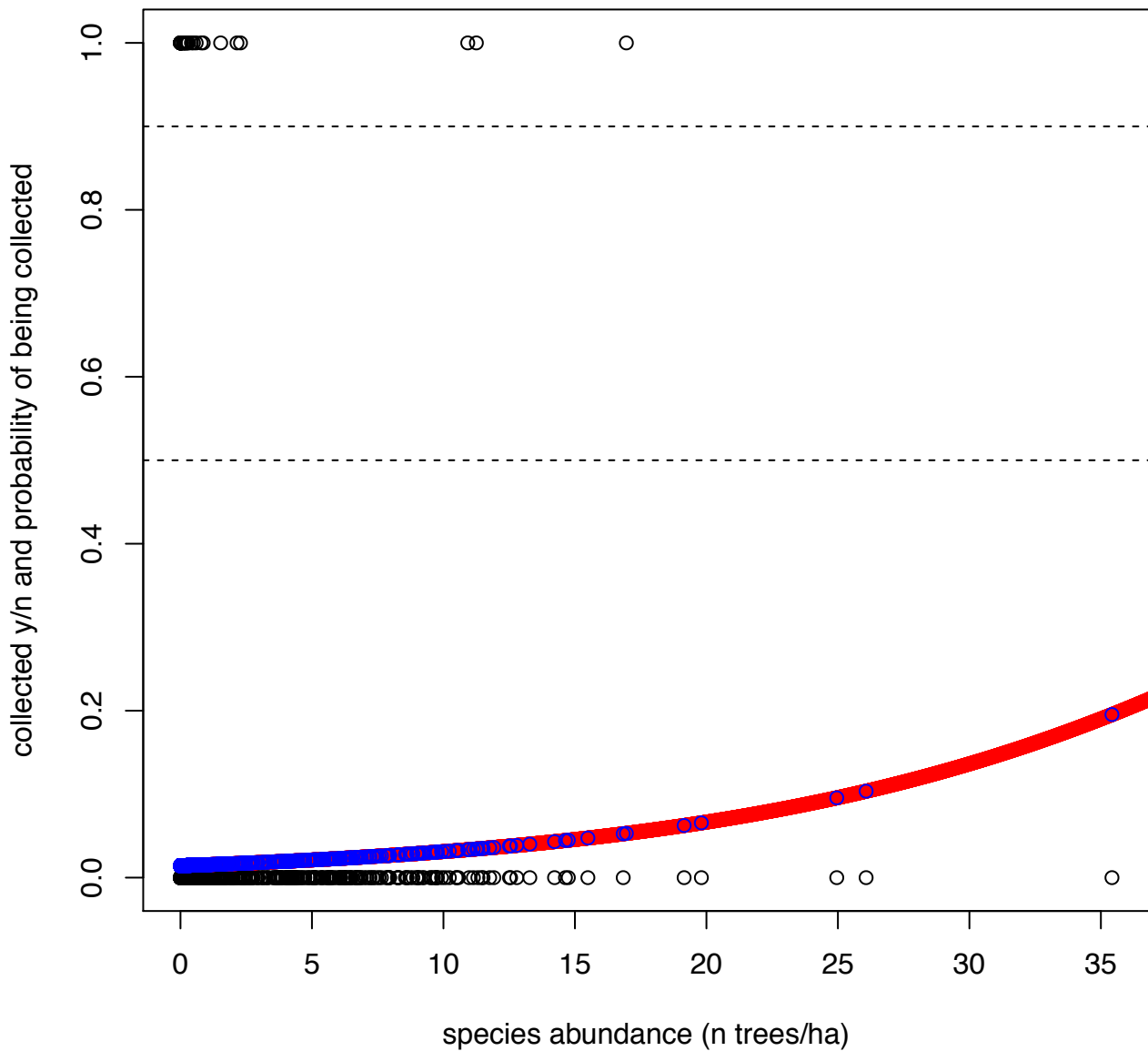
Protium_tenuifolium – Significant



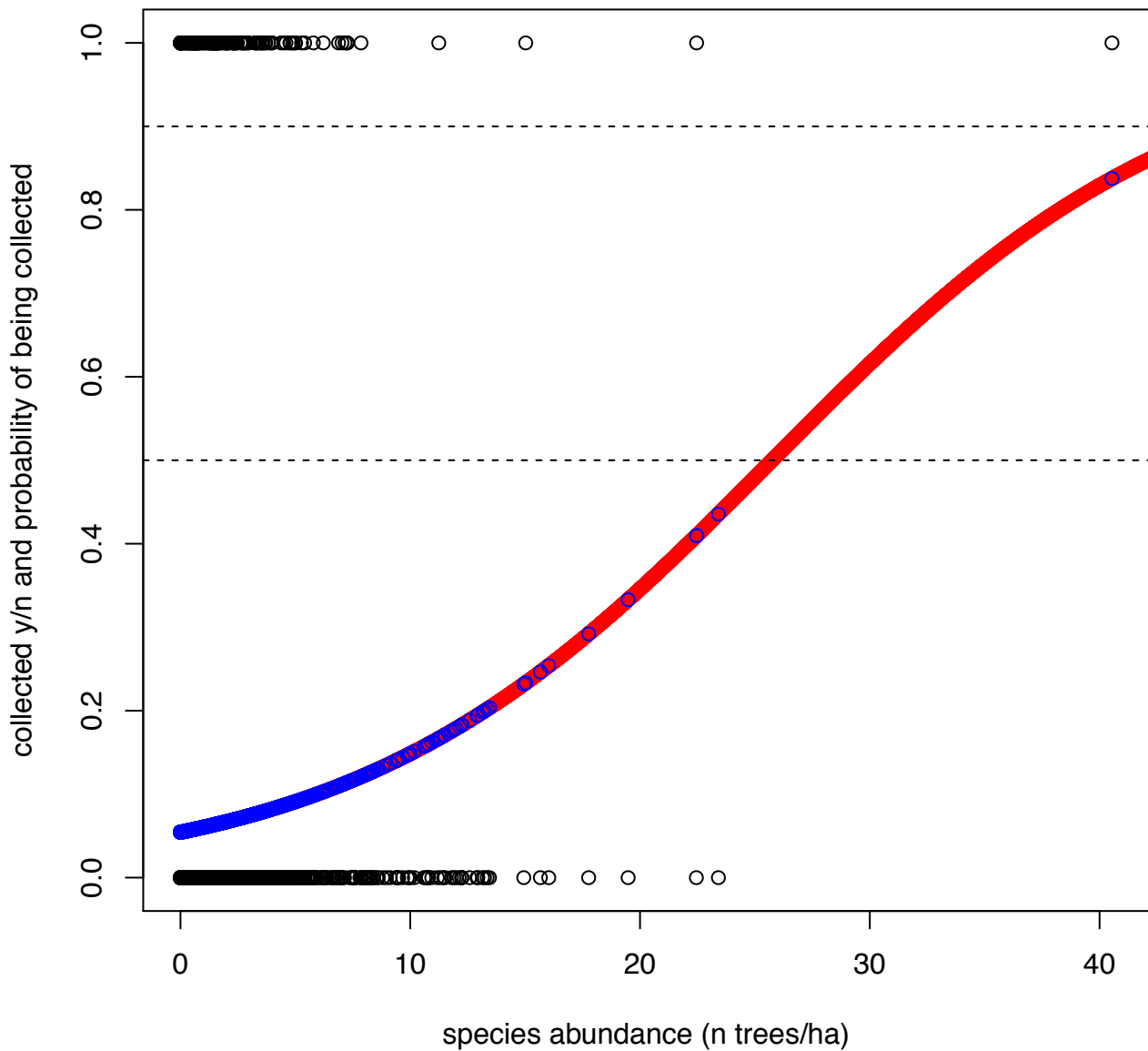
Protium_trifoliolatum – Non-significant



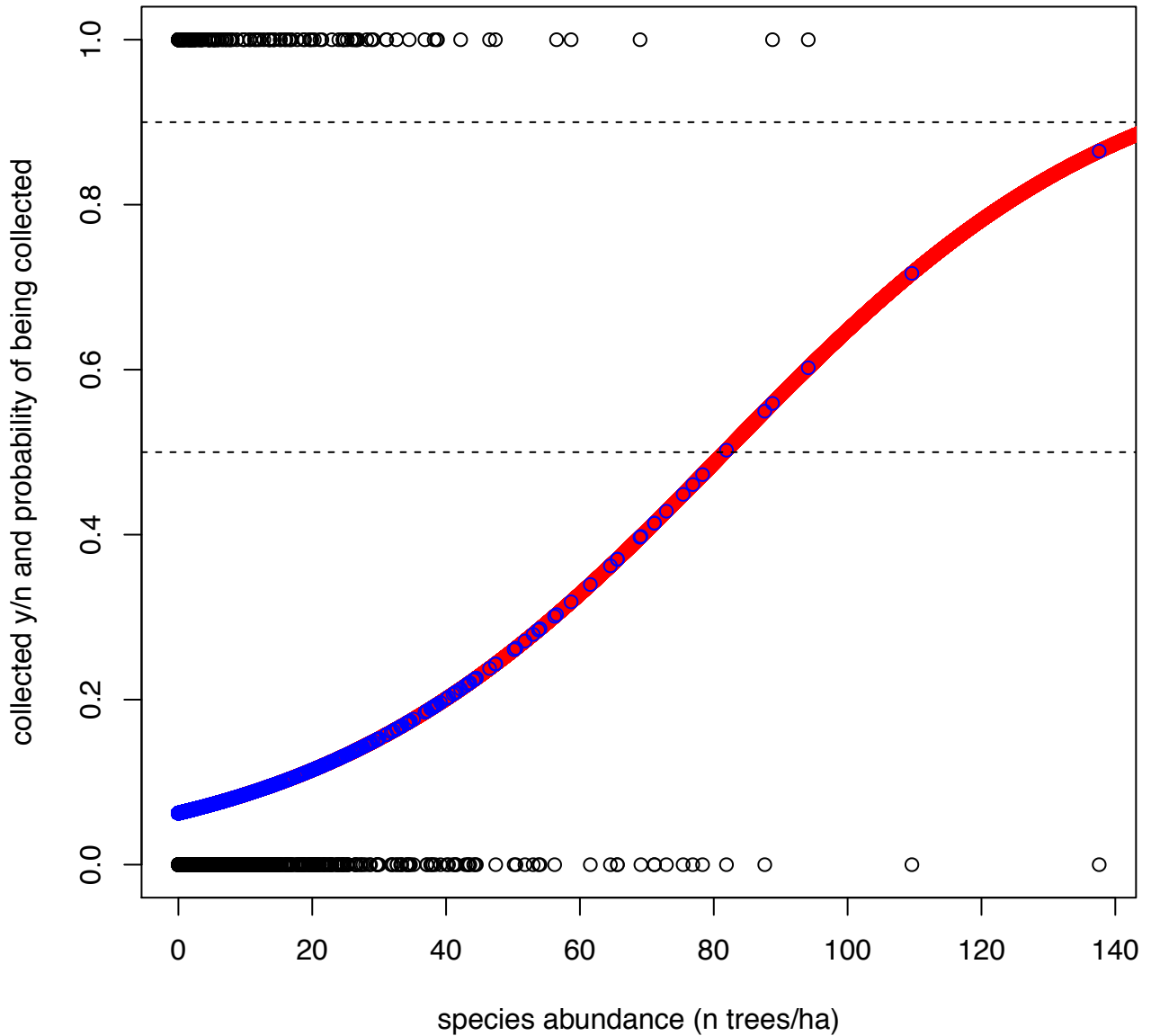
Pseudobombax_munguba – Non-significant



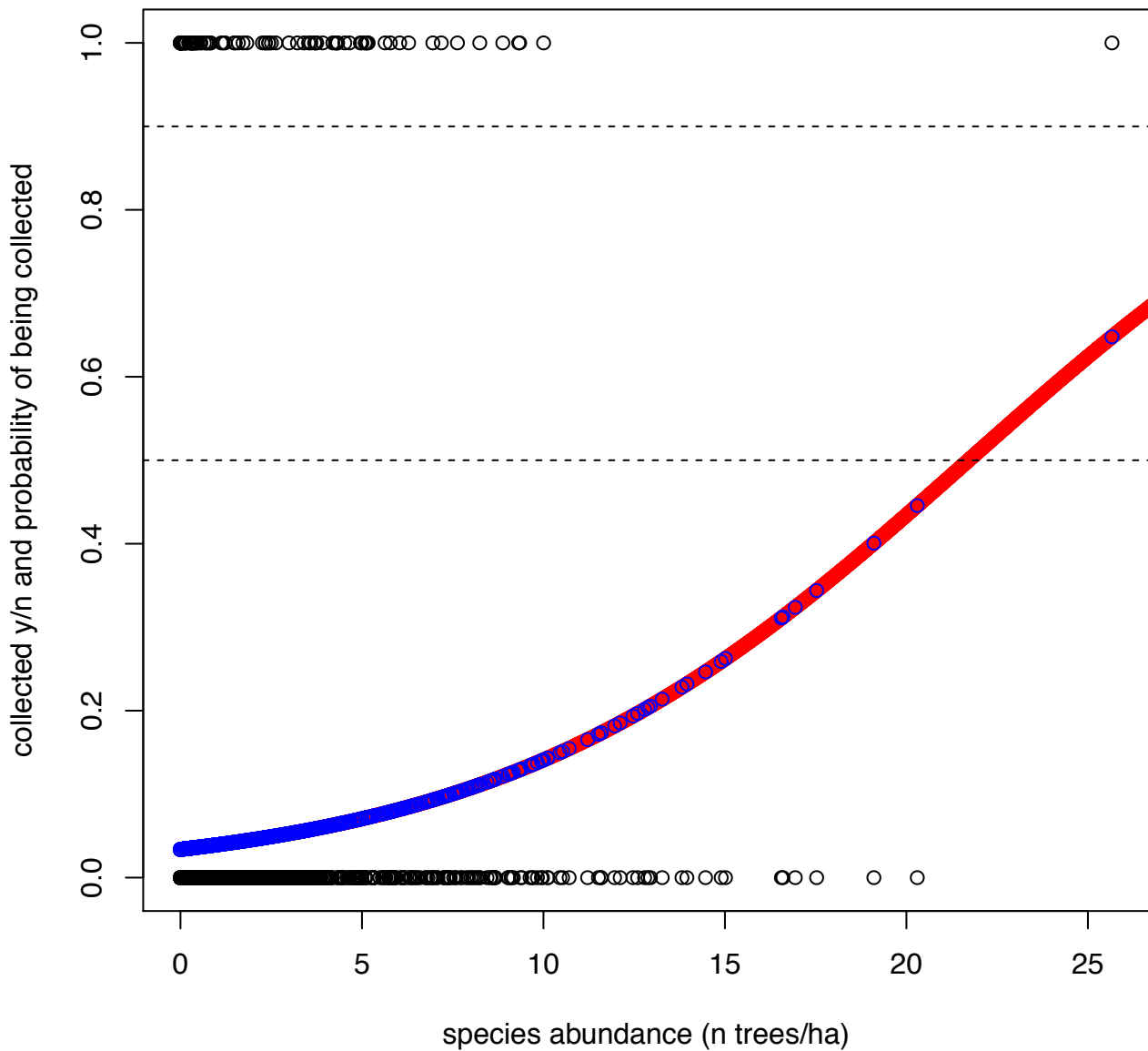
Pseudolmedia_laevigata – Significant



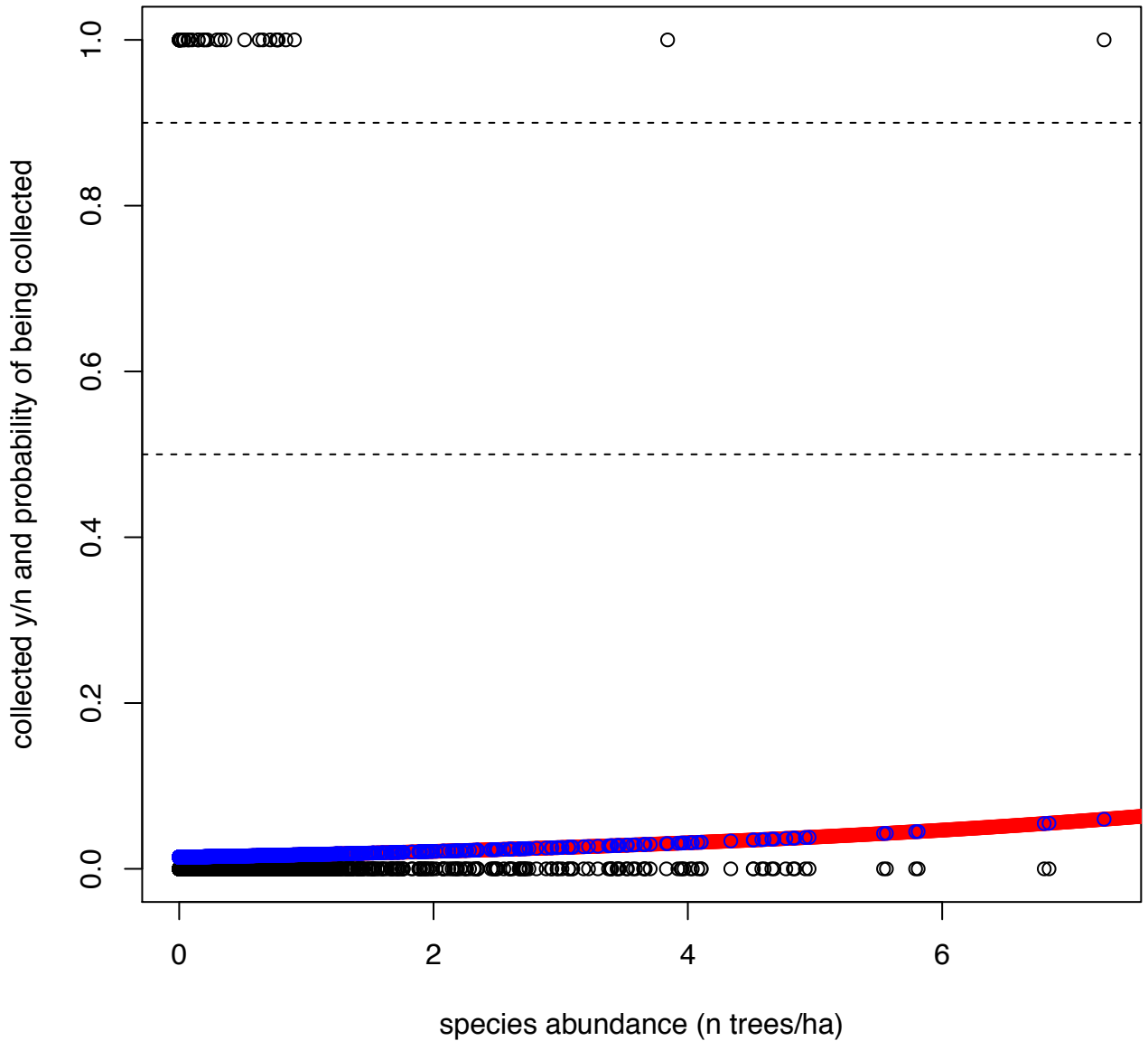
Pseudolmedia_laevis – Significant



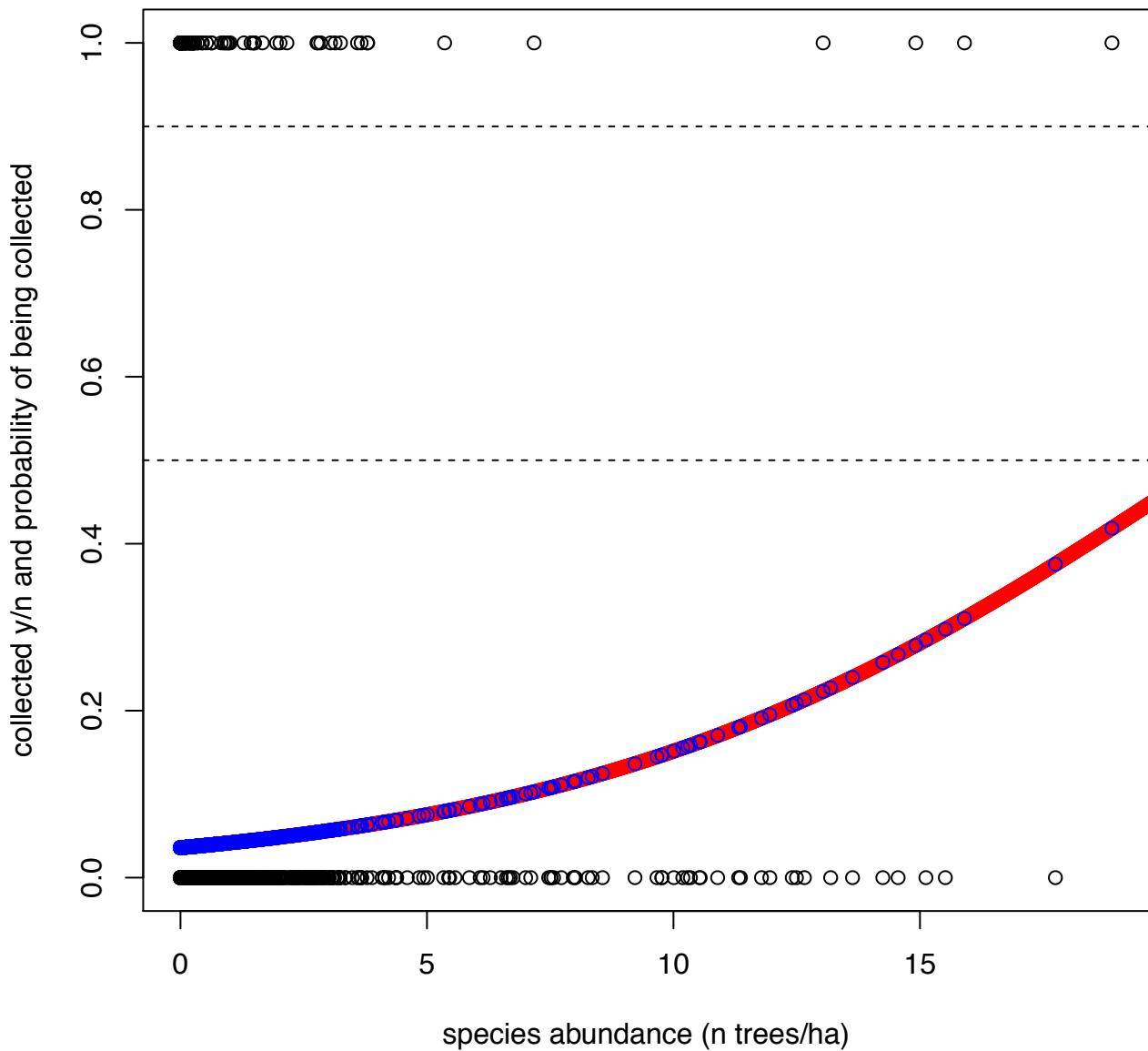
Pseudolmedia_macrophylla – Significant



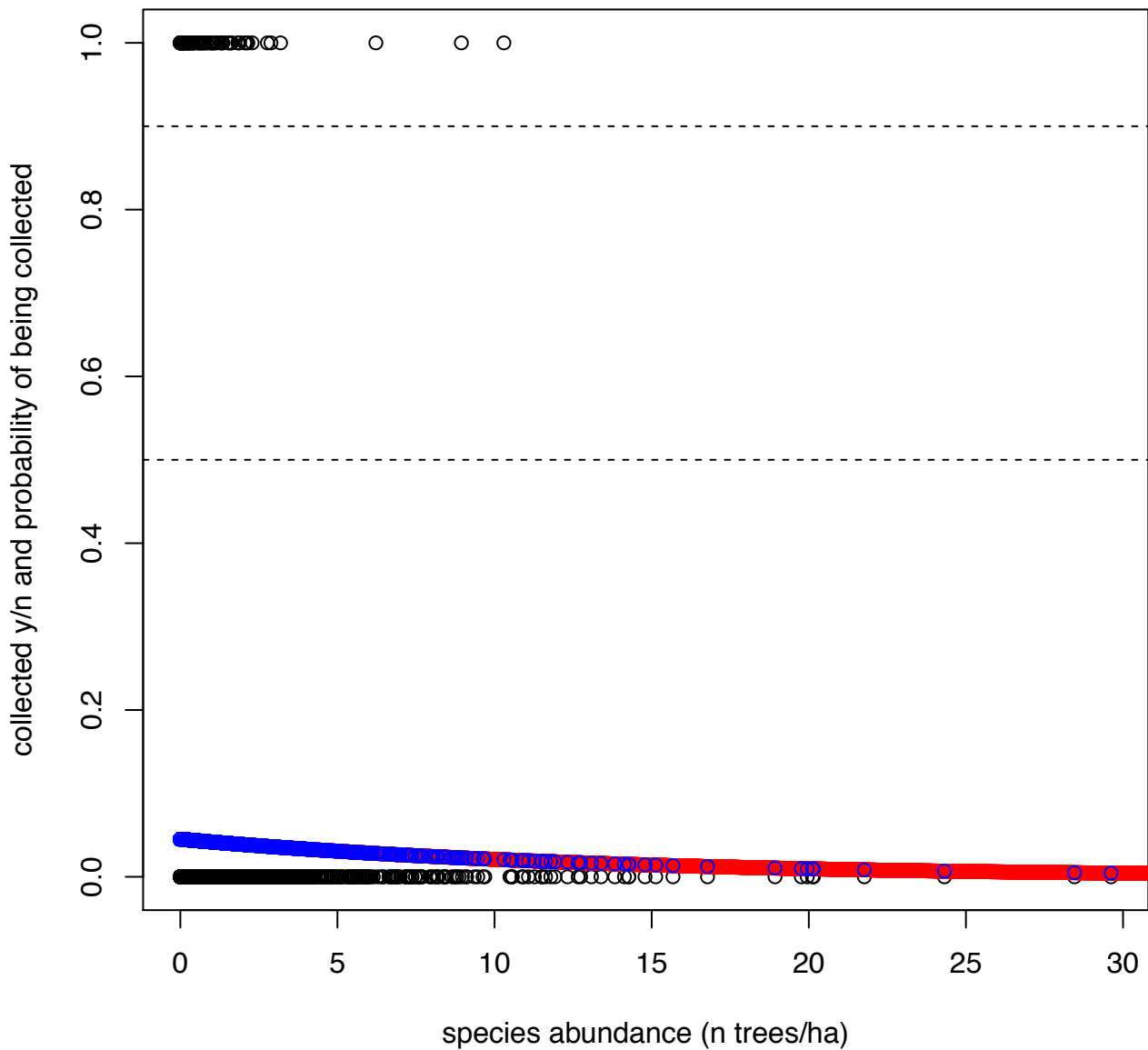
Pseudoptadenia_suaveolens – Non-significant



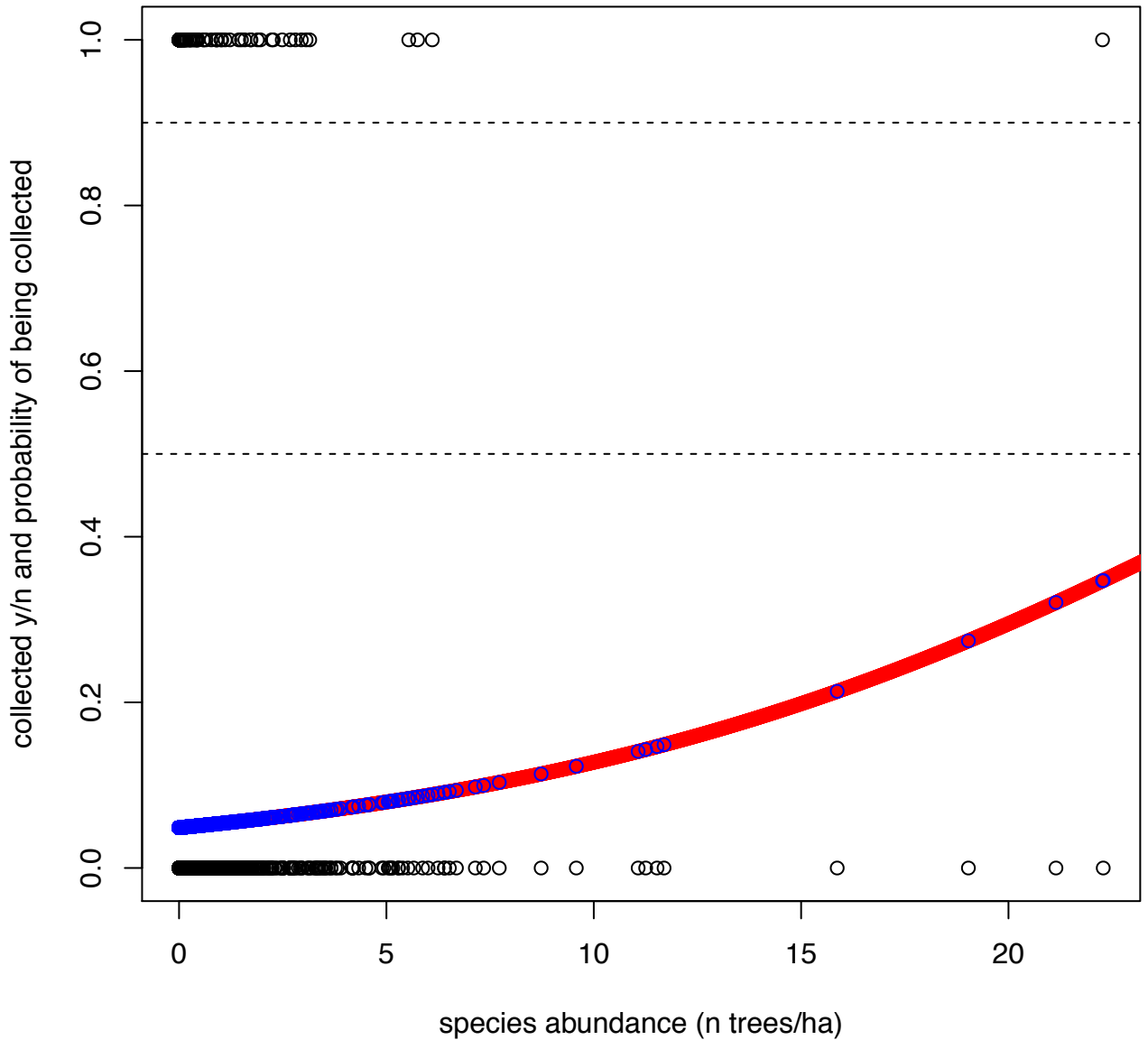
Pterocarpus_amazonum – Significant



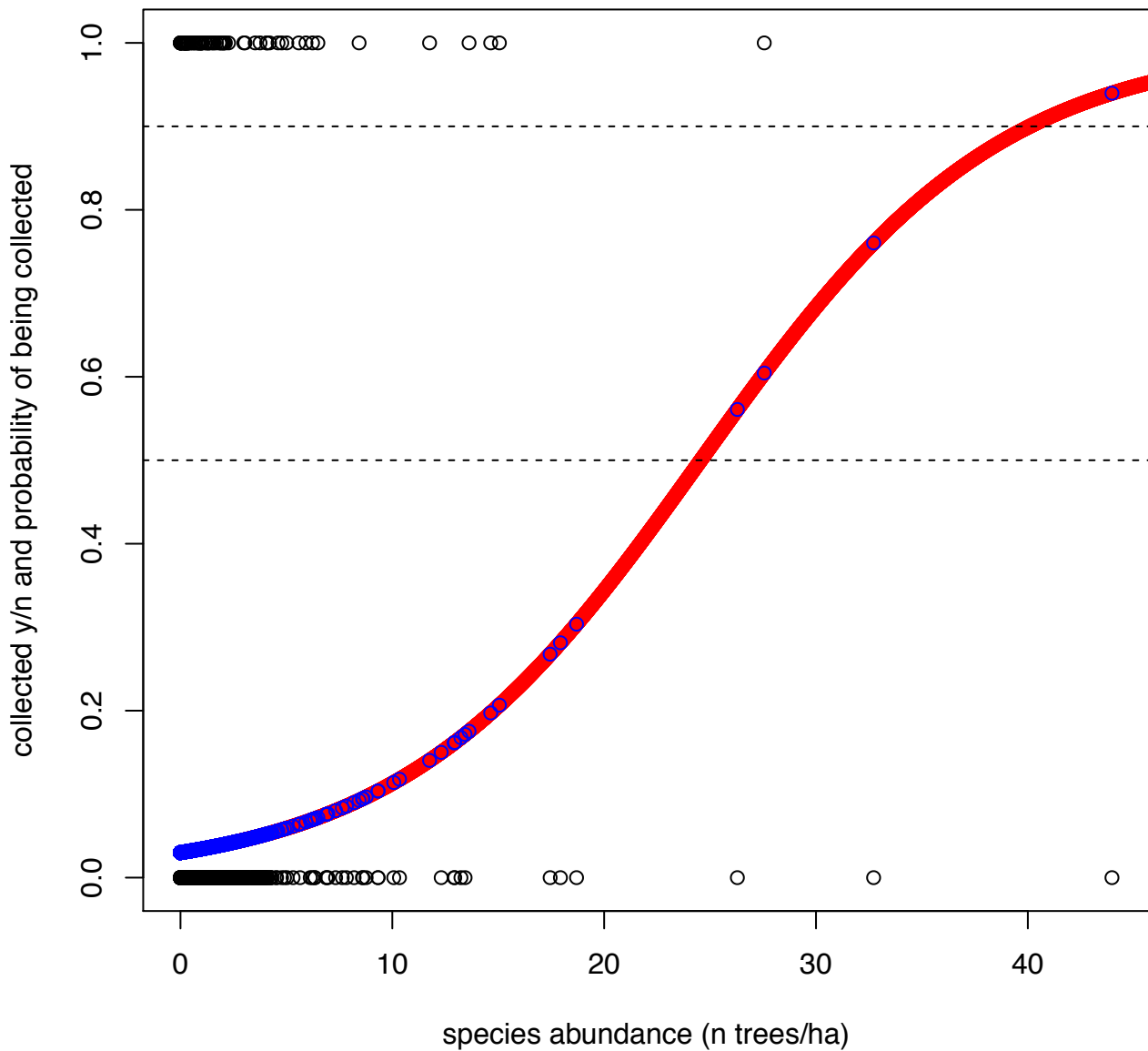
Pterocarpus_rohrii – Non-significant



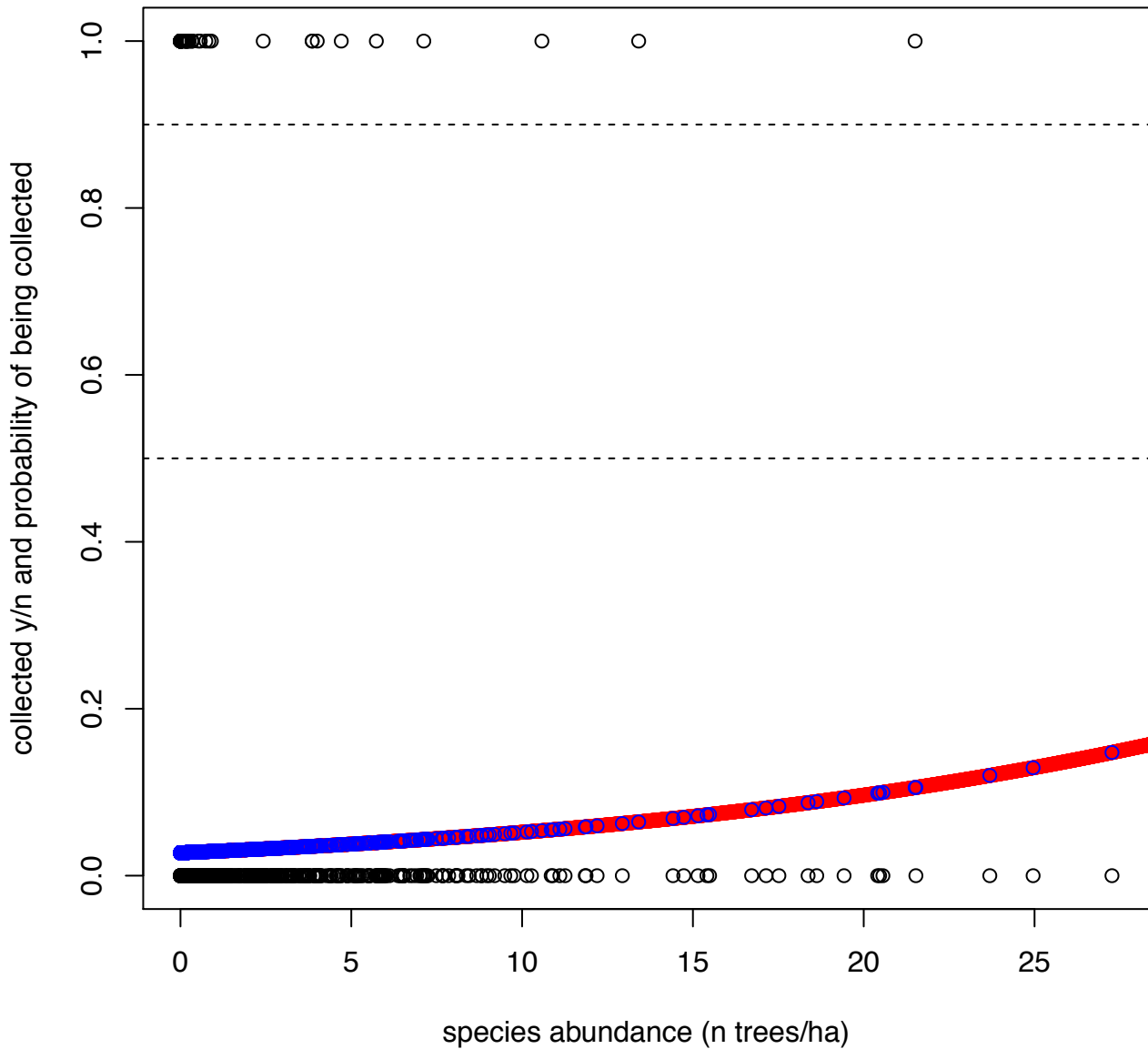
Pterocarpus_santalinoides – Significant



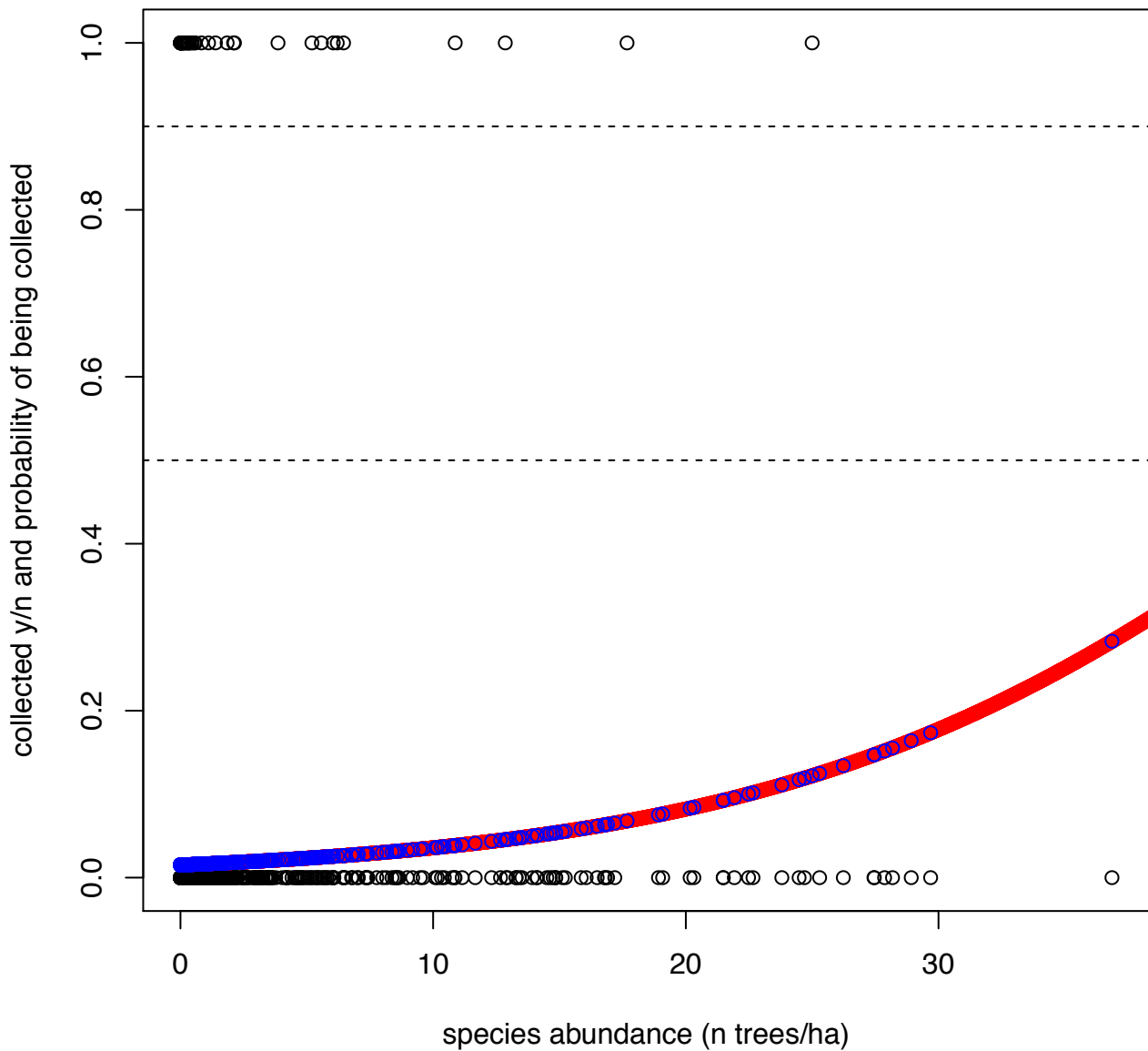
Qualea_paraensis – Significant



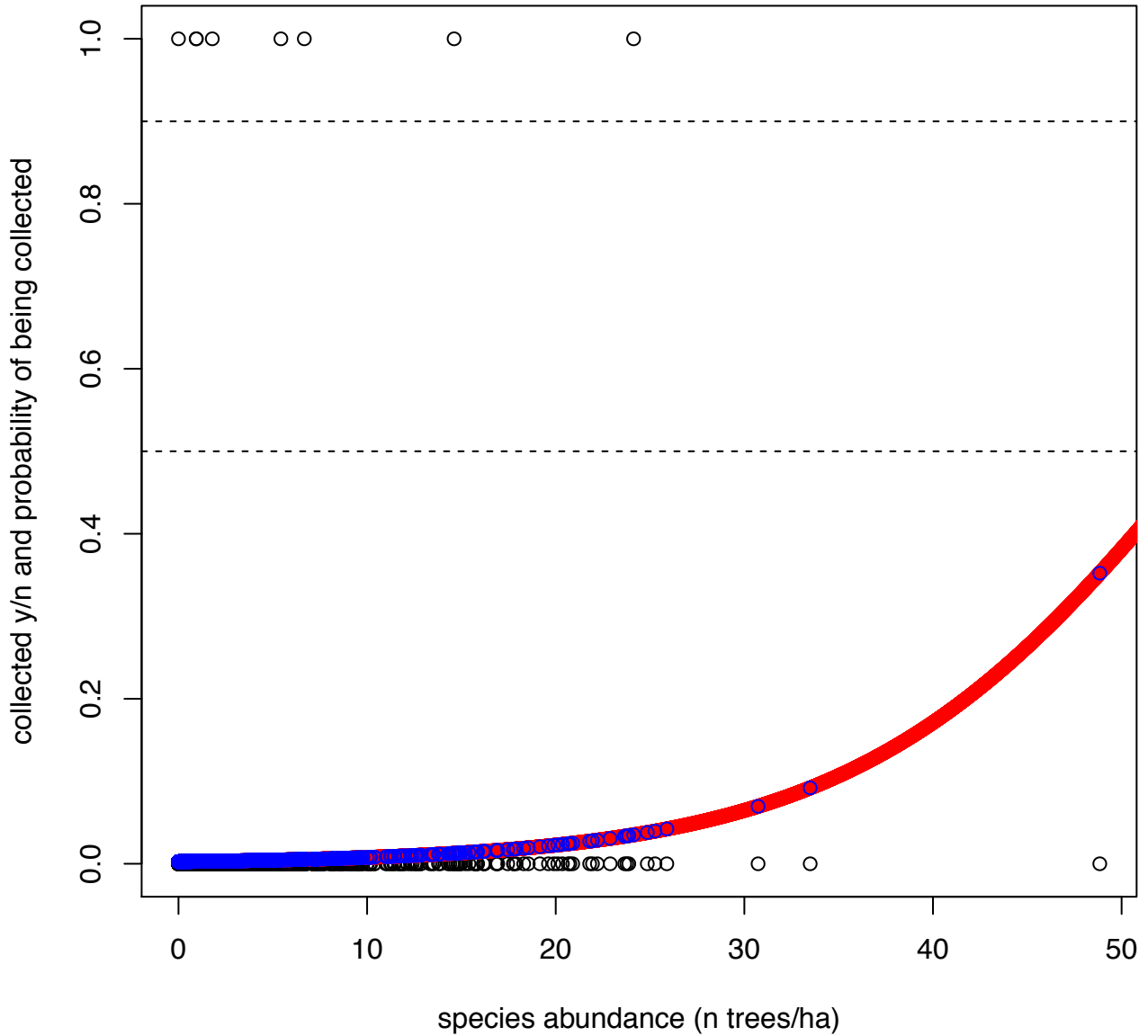
Quararibea_guianensis – Non-significant



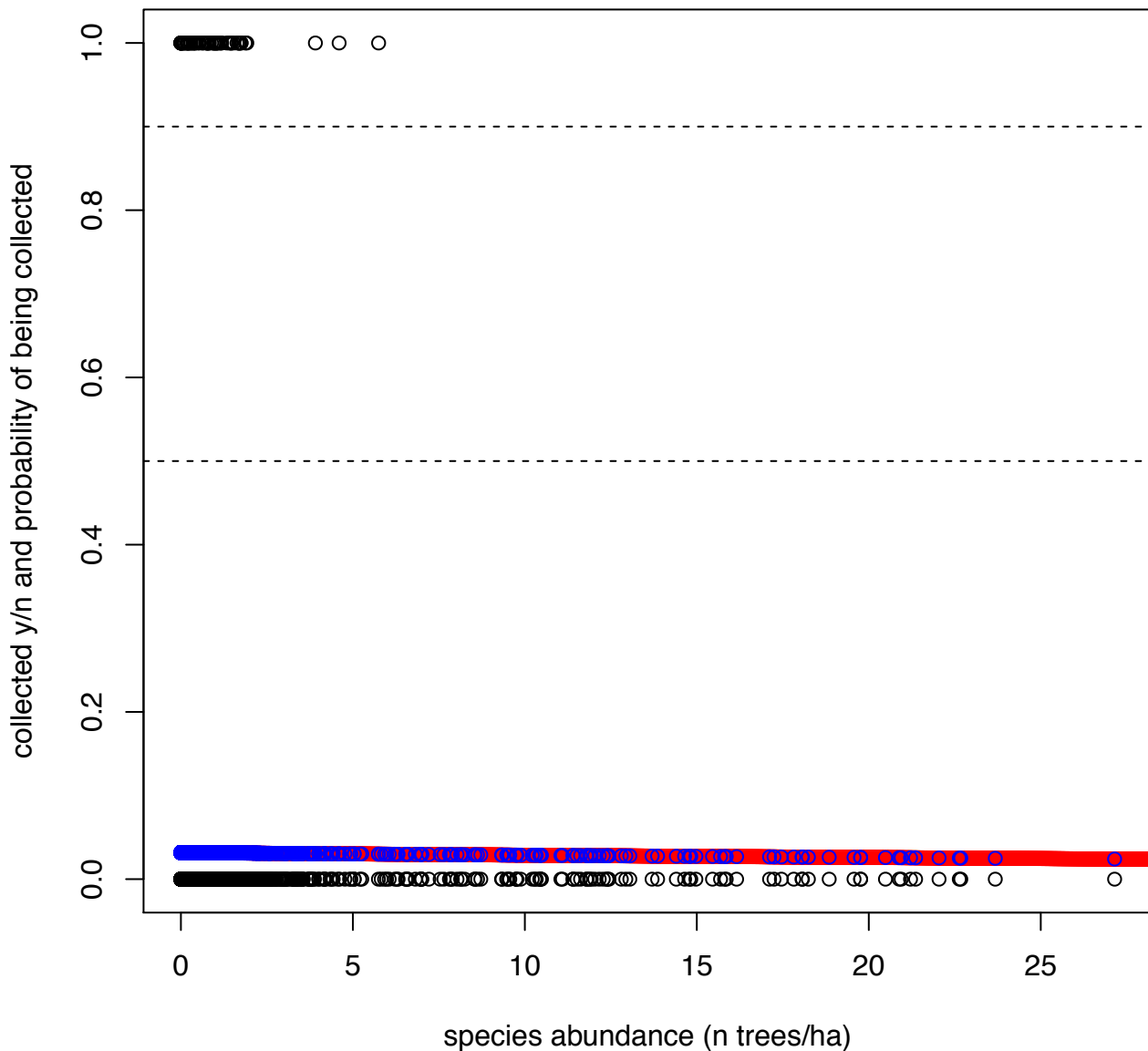
Quararibea_wittii – Significant



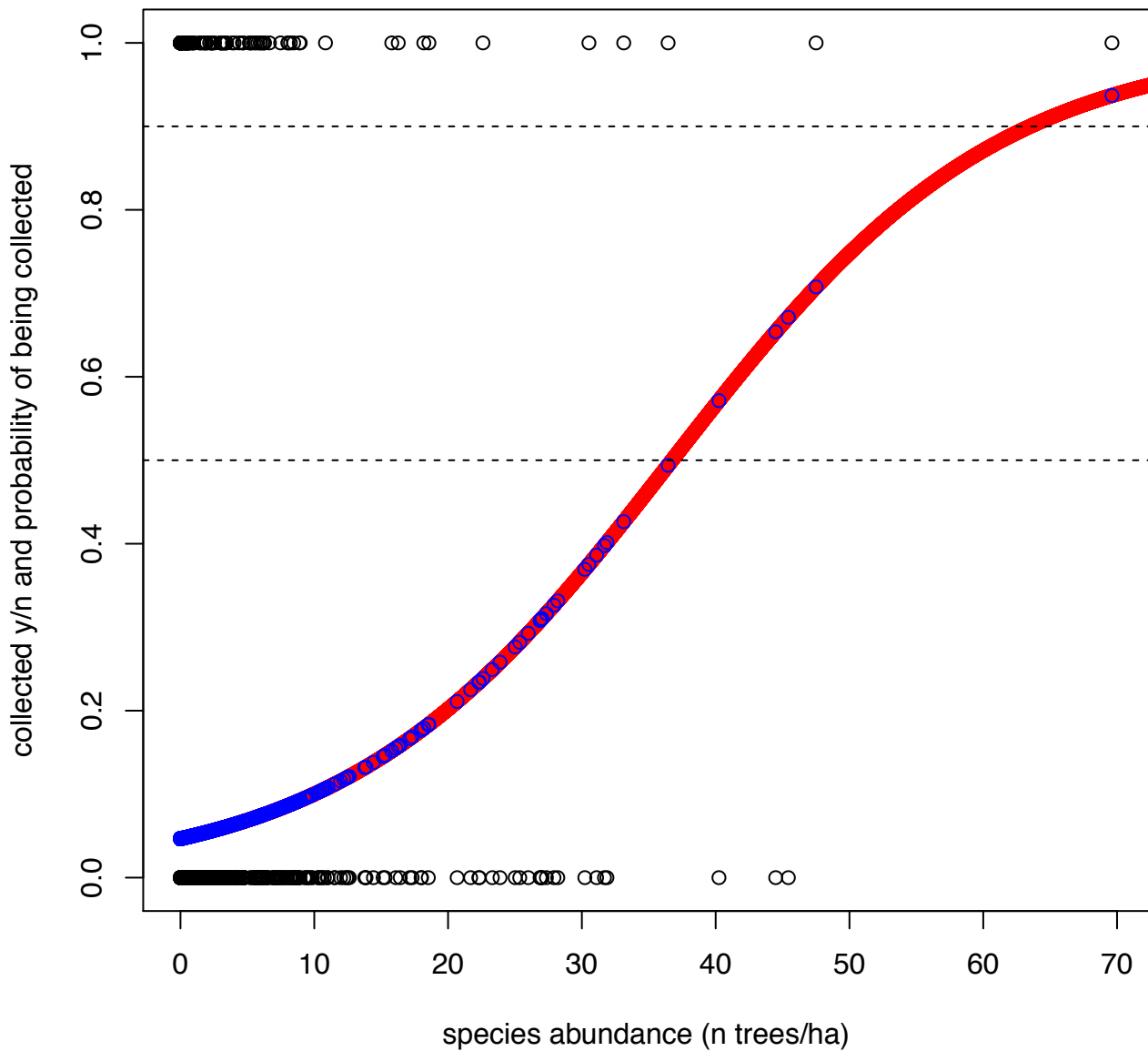
Rinorea_guianensis – Significant



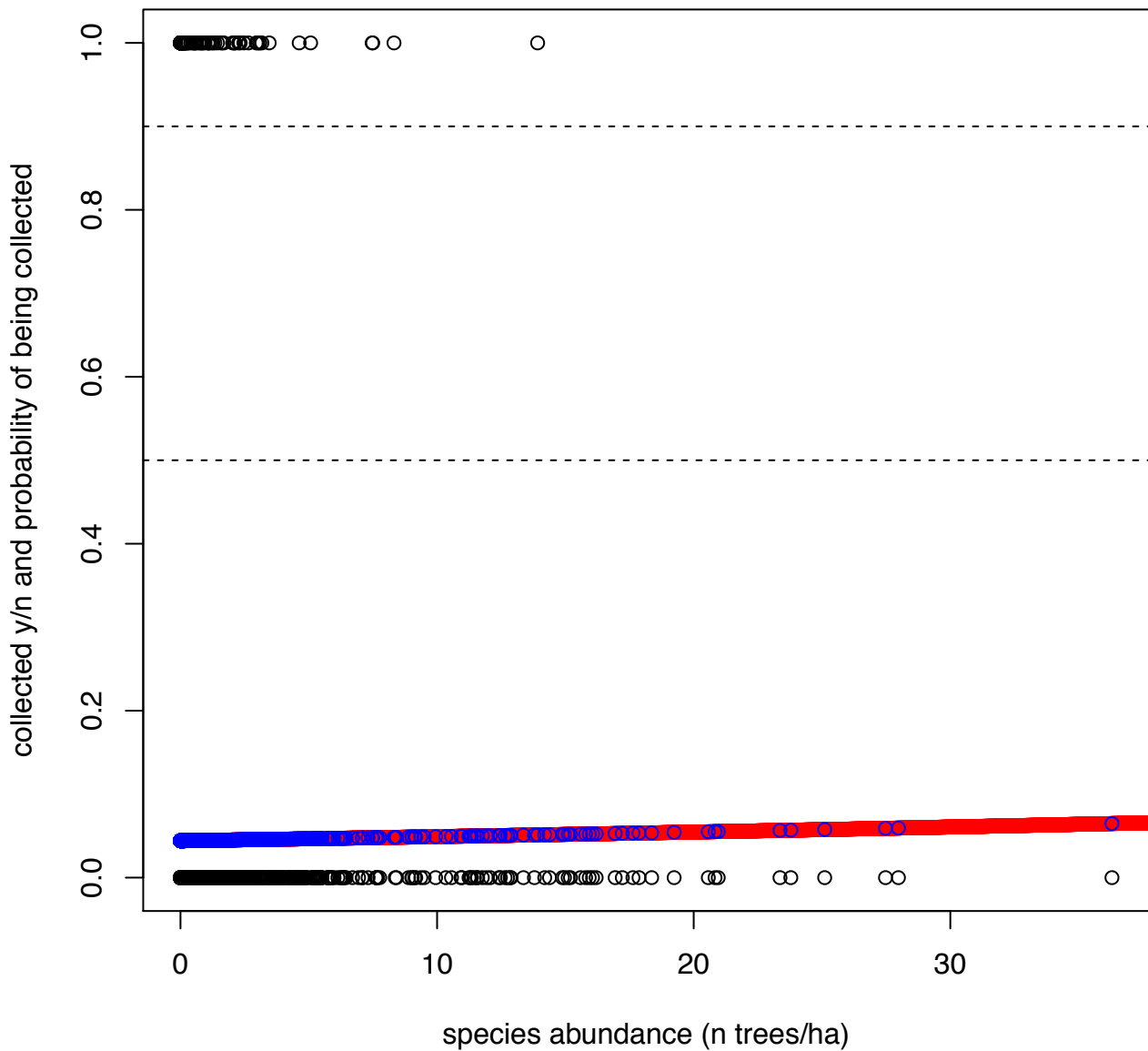
Rinorea_racemosa – Non-significant



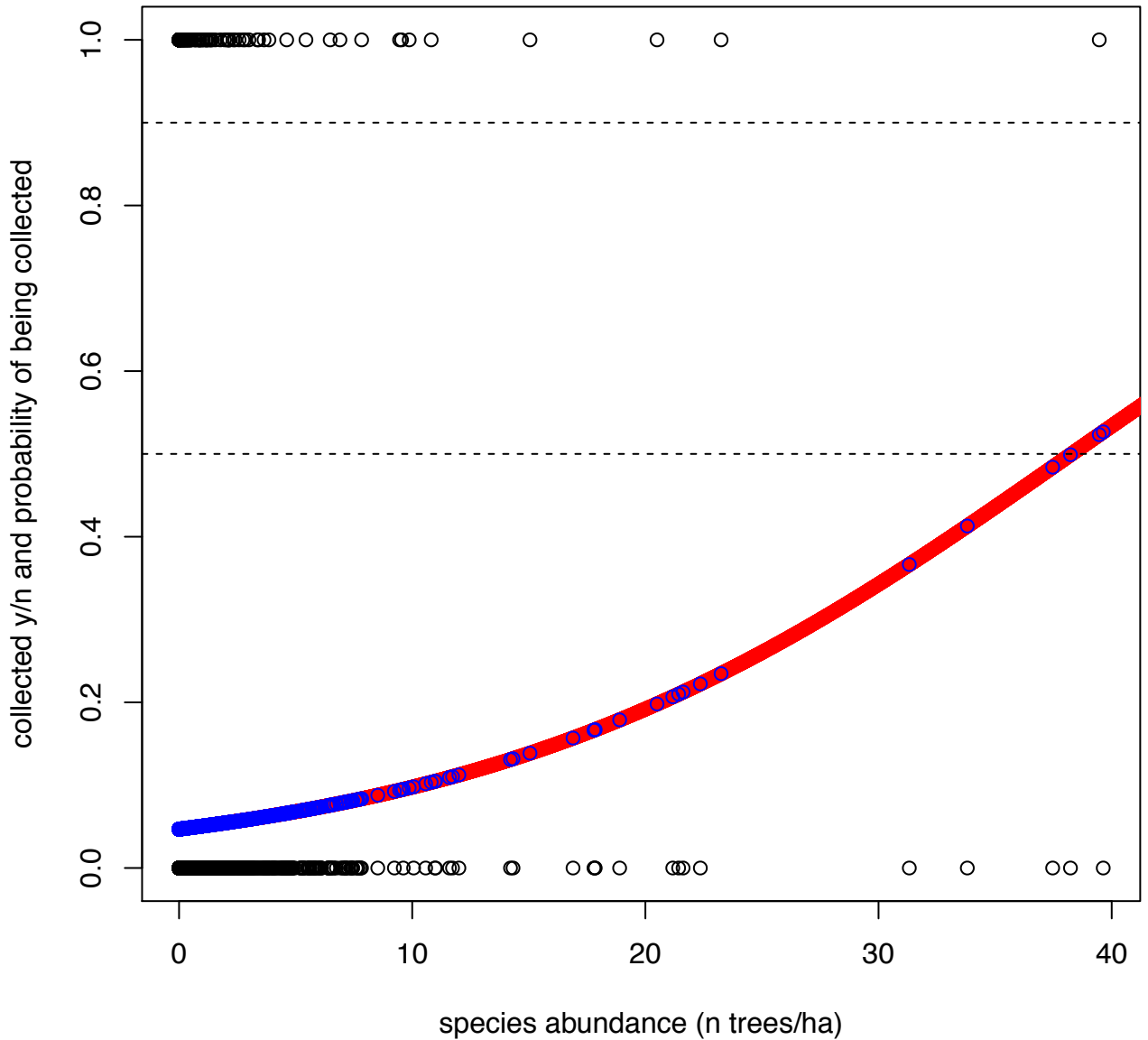
Rinoreocarpus_ulei – Significant



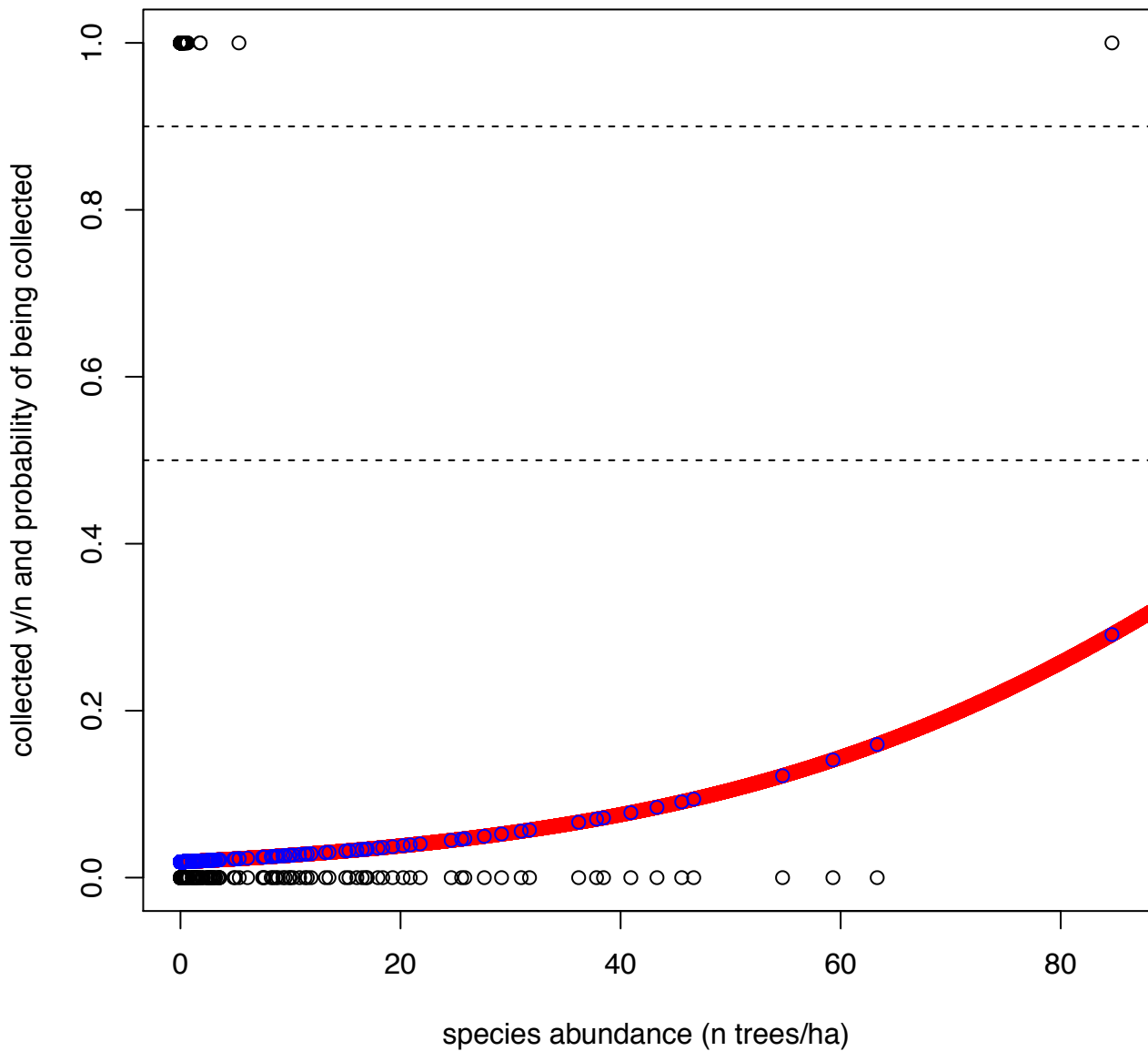
Sacoglottis_guianensis – Non-significant



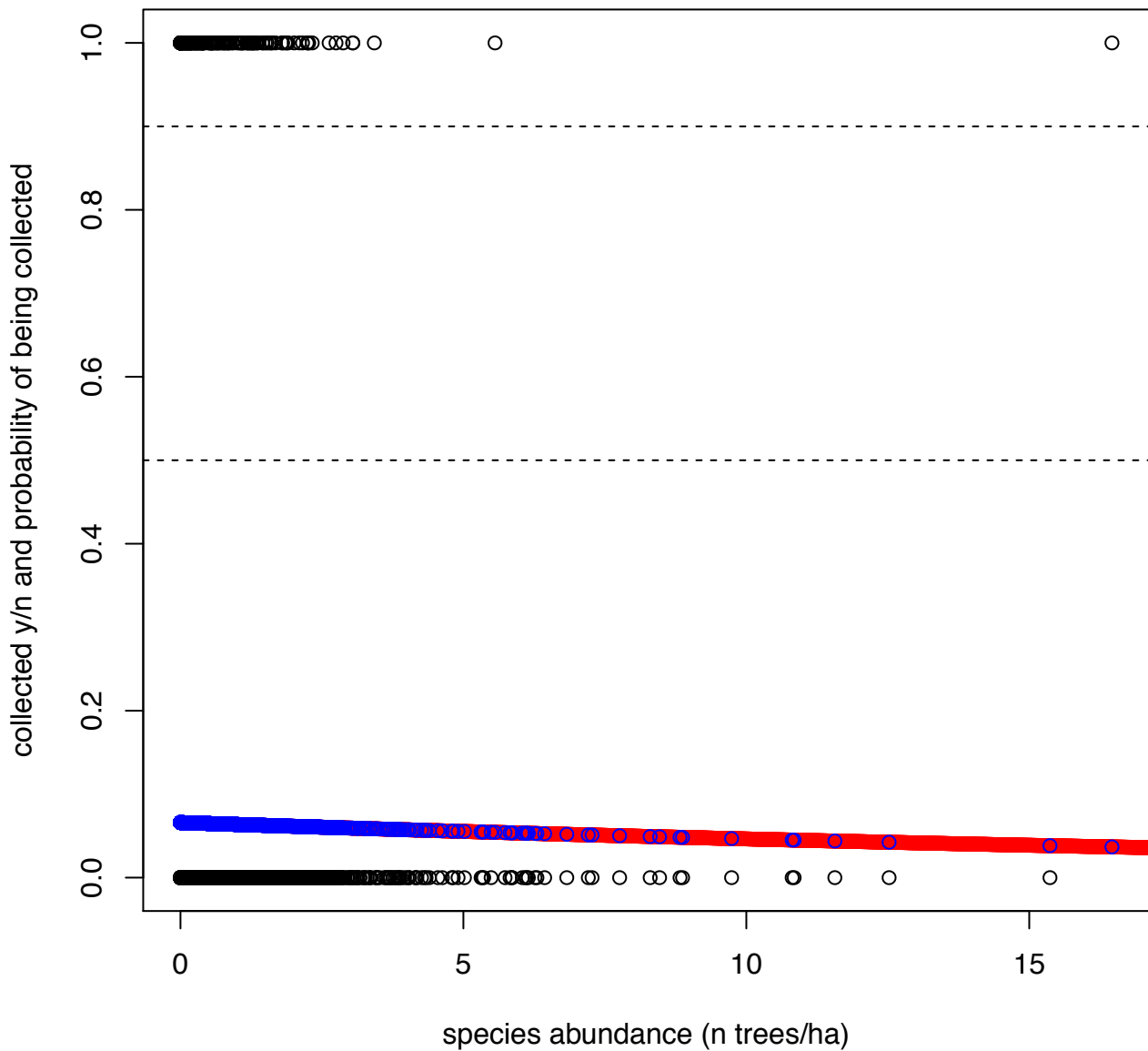
Sagotia_racemosa – Significant



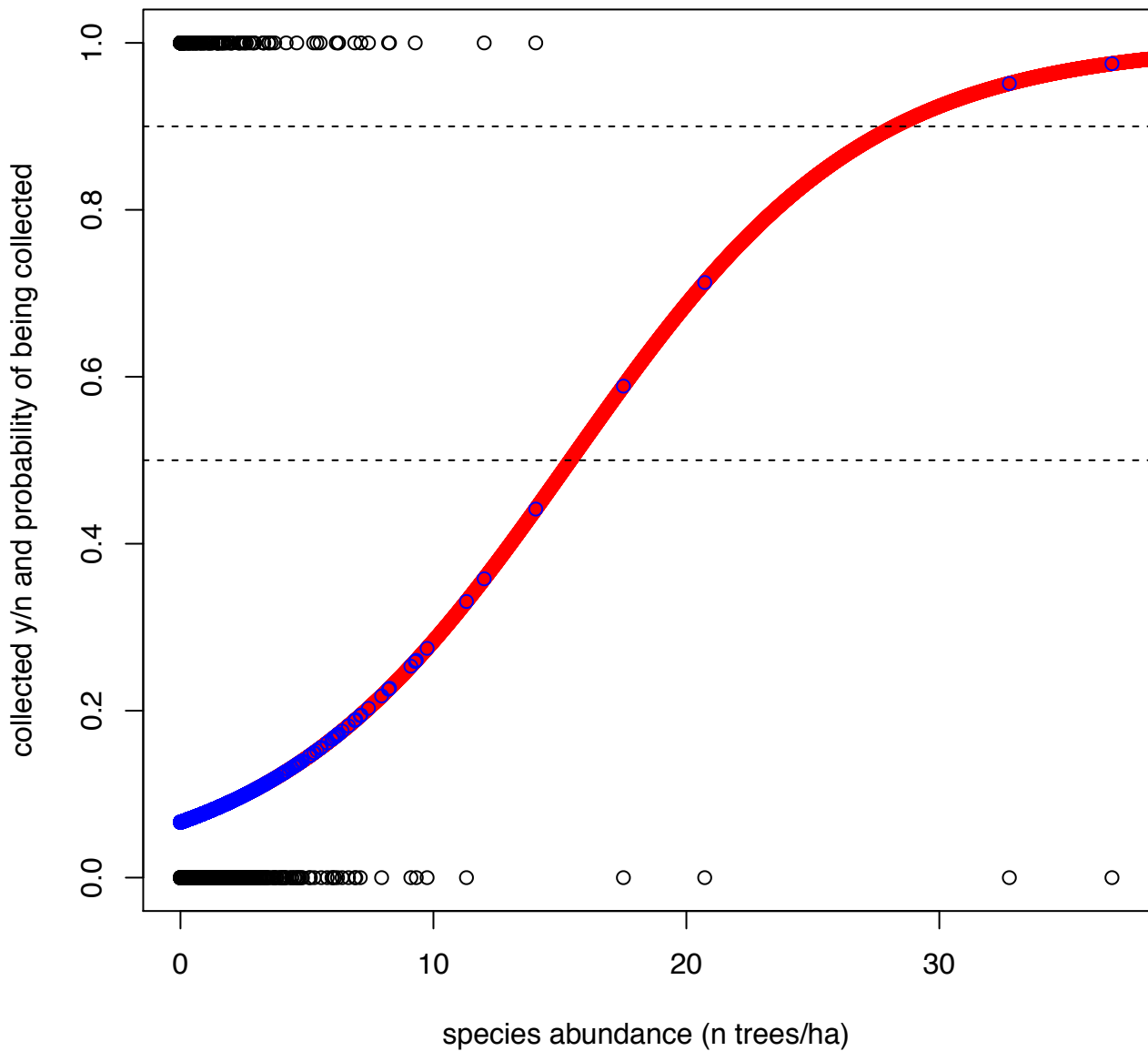
Senefeldera_inclinata – Significant



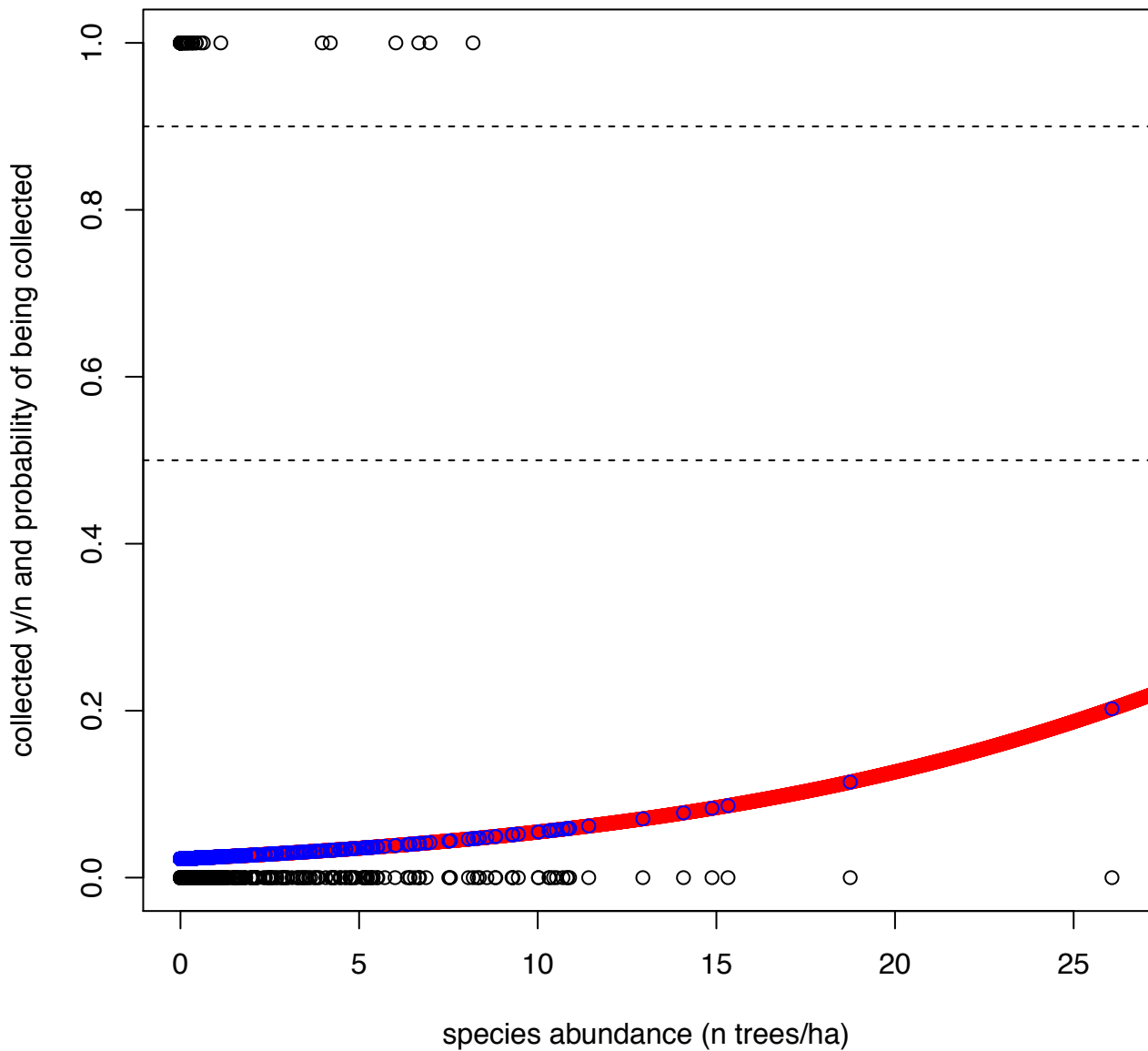
Simarouba_amara – Non-significant



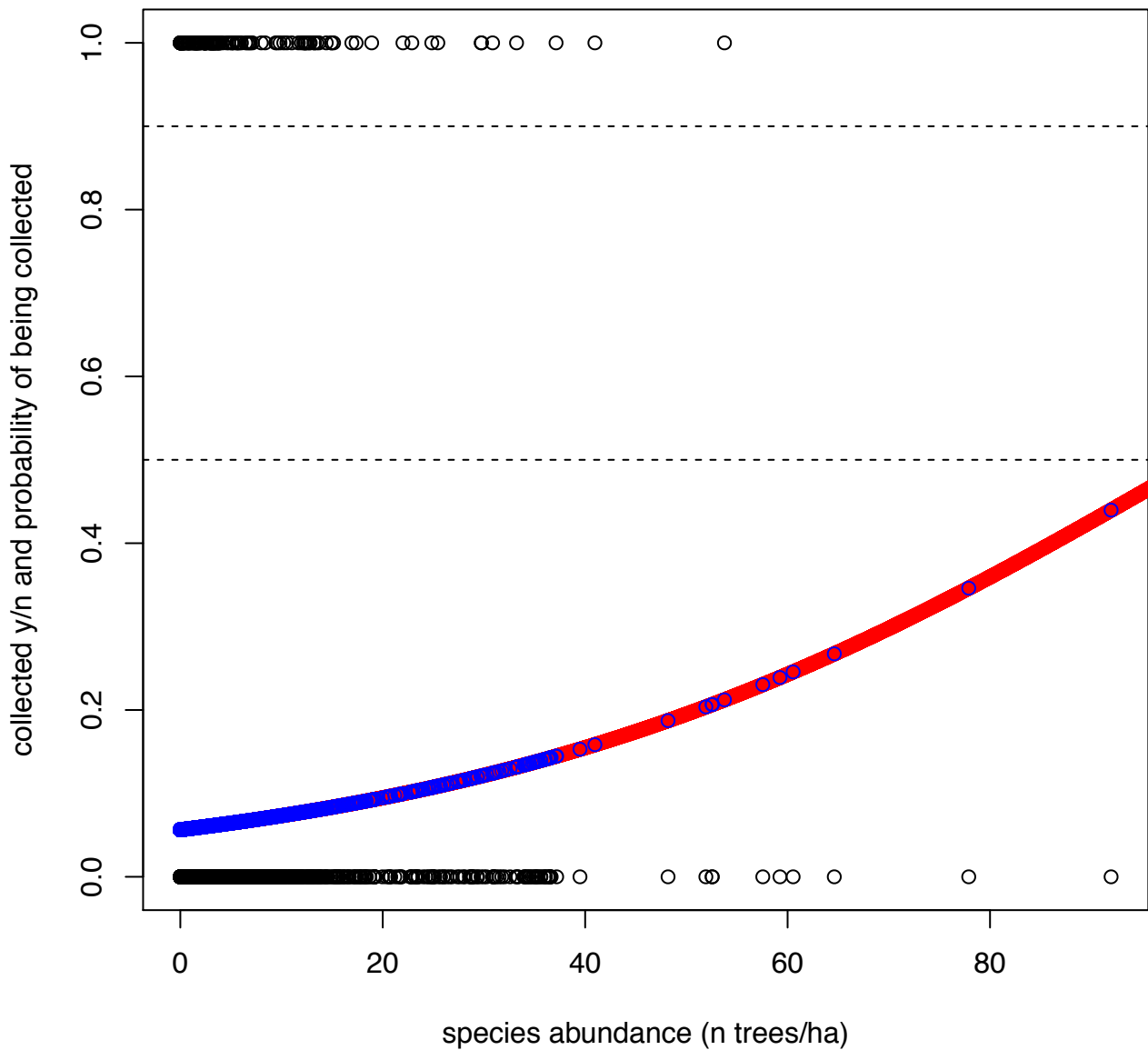
Siparuna_decipiens – Significant



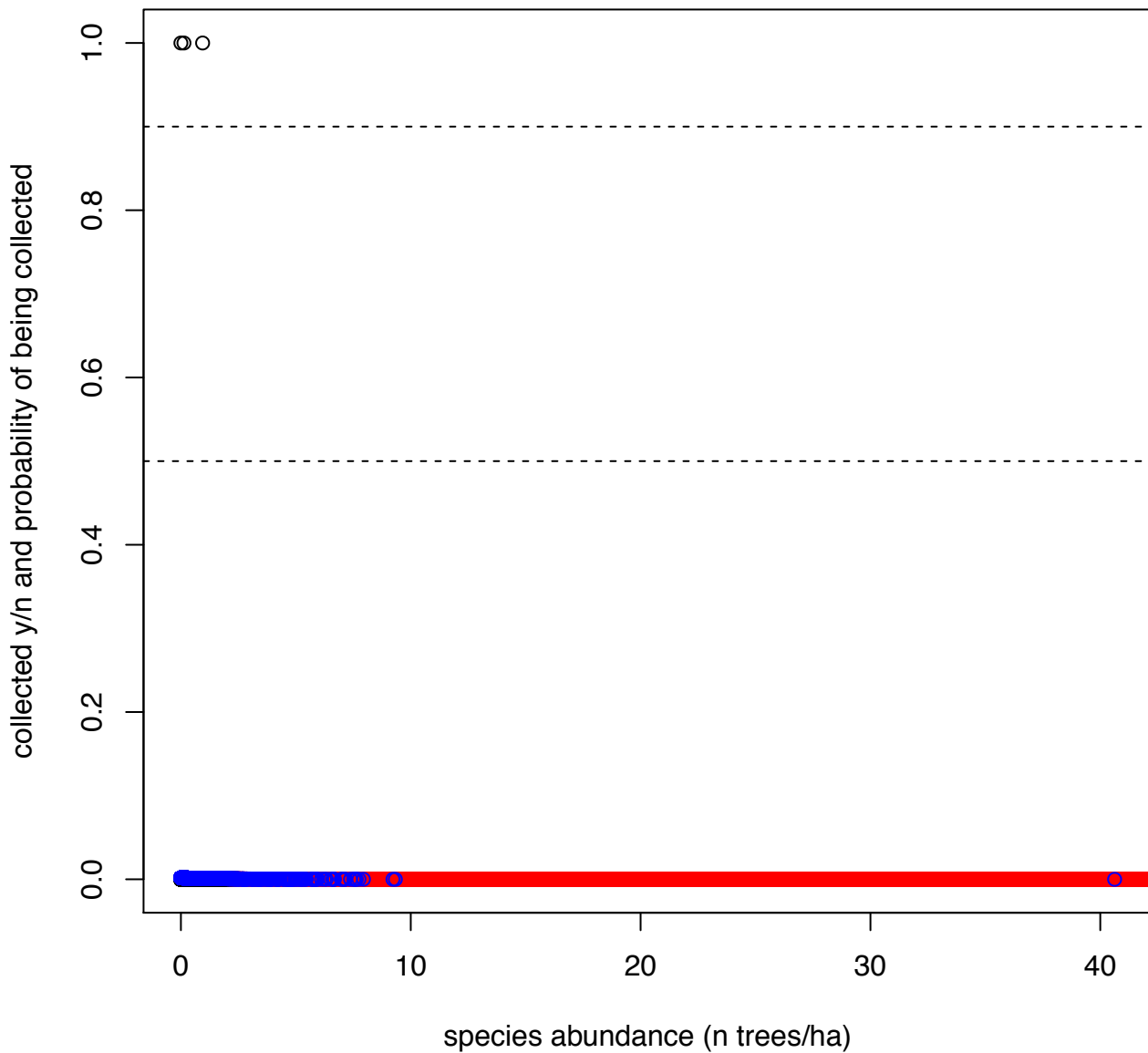
Sloanea_eichleri – Non-significant



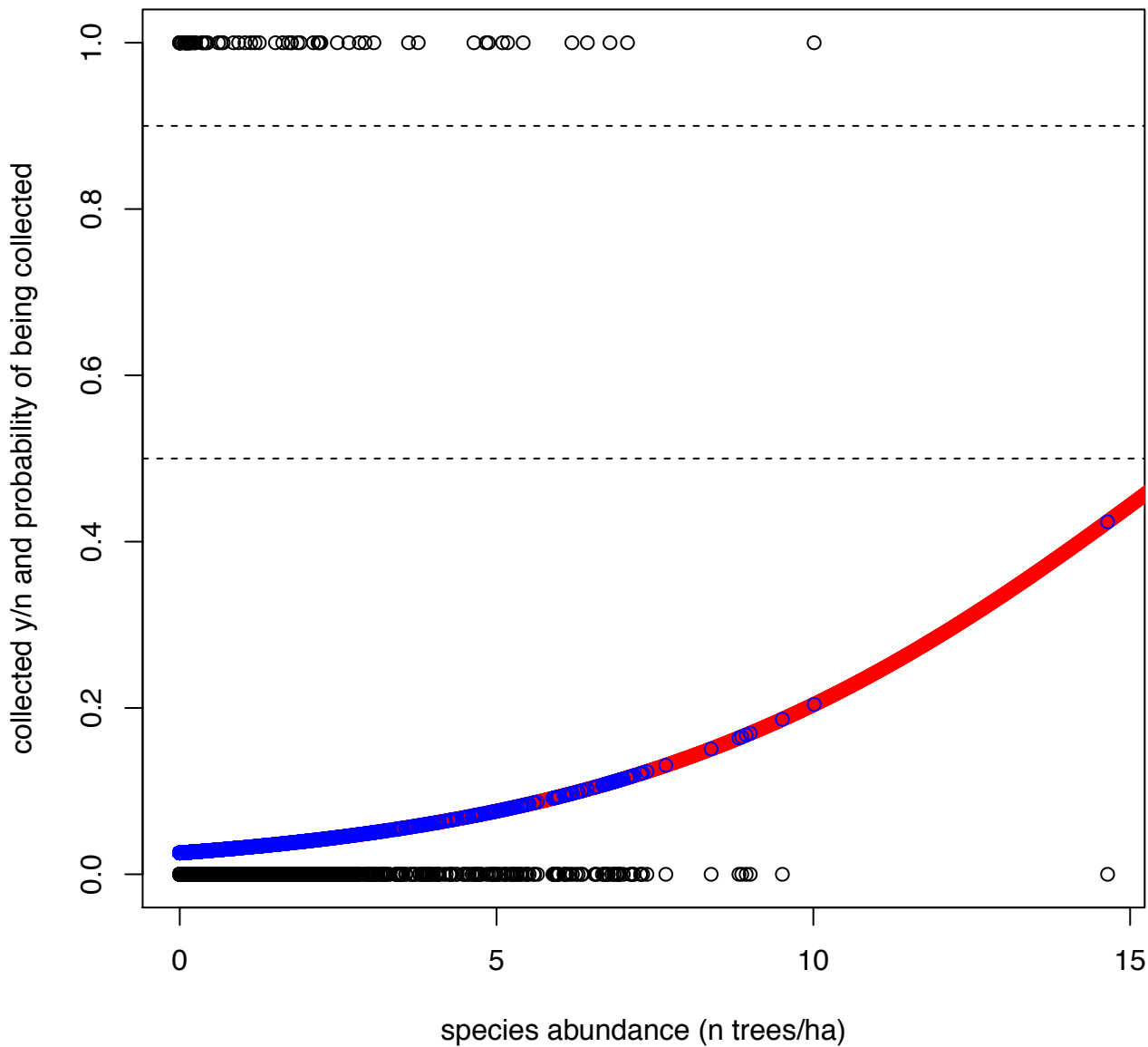
Socratea_exorrhiza – Significant



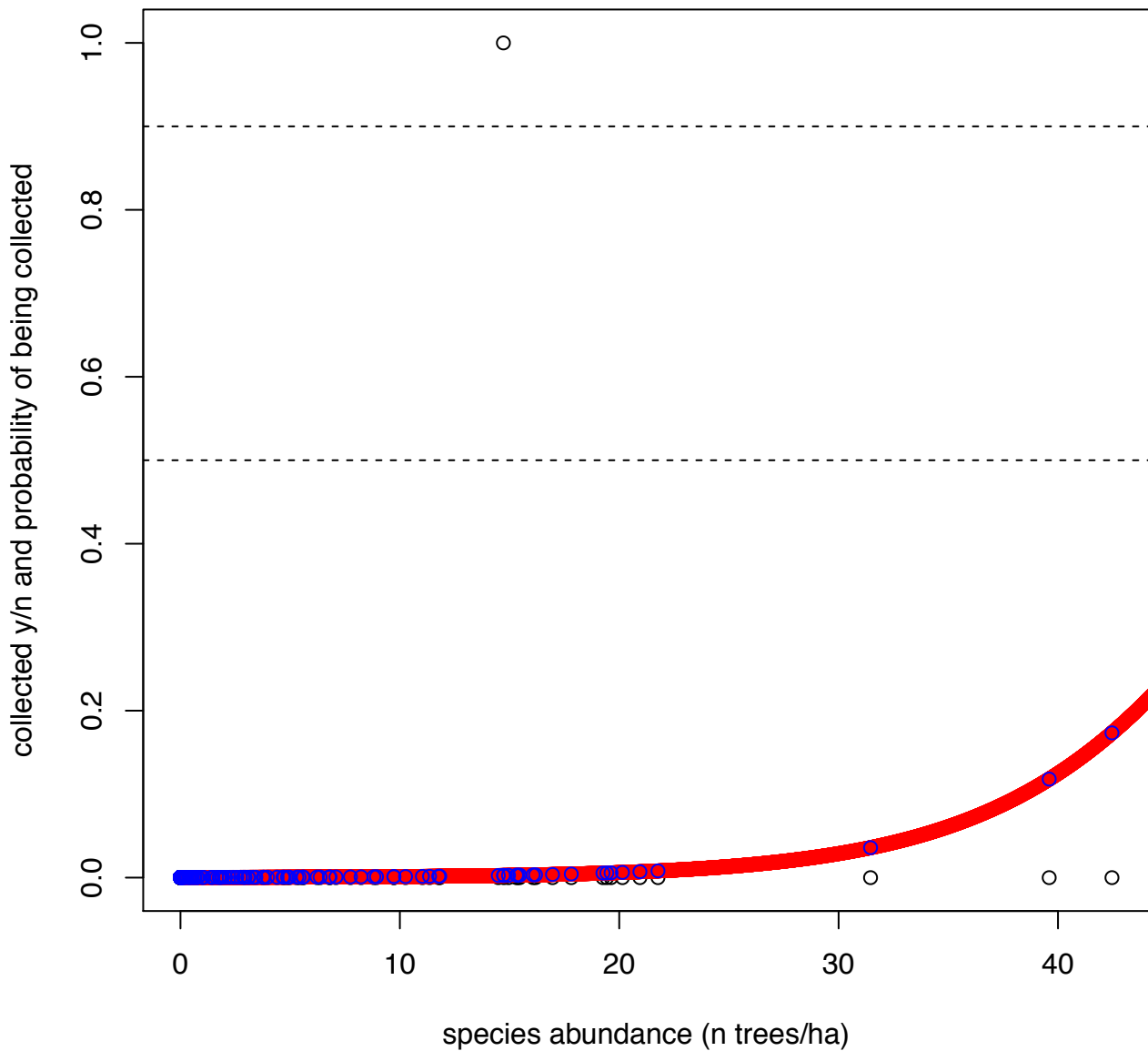
Spondias_mombin - Non-significant



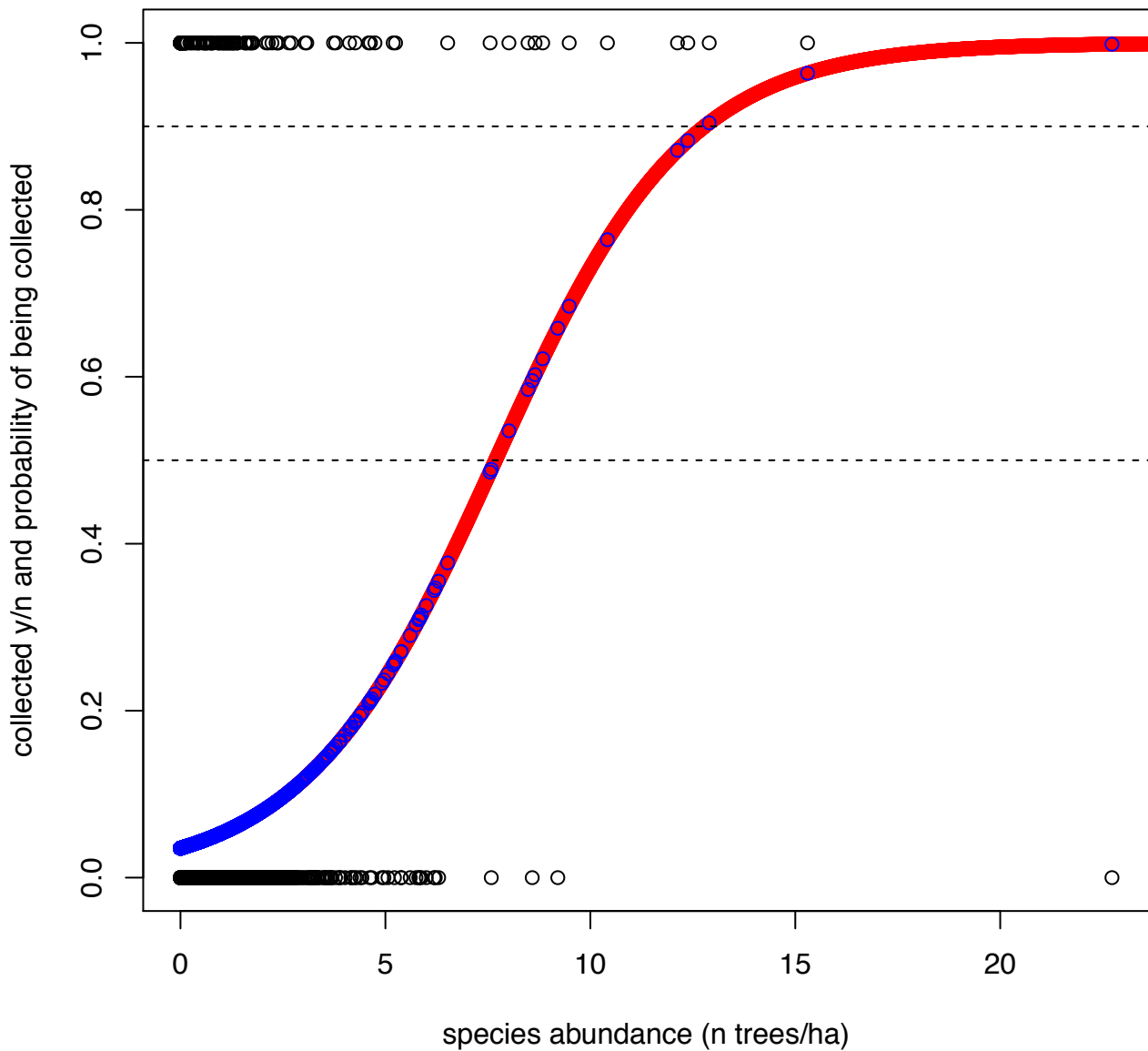
Sterculia pruriens – Significant



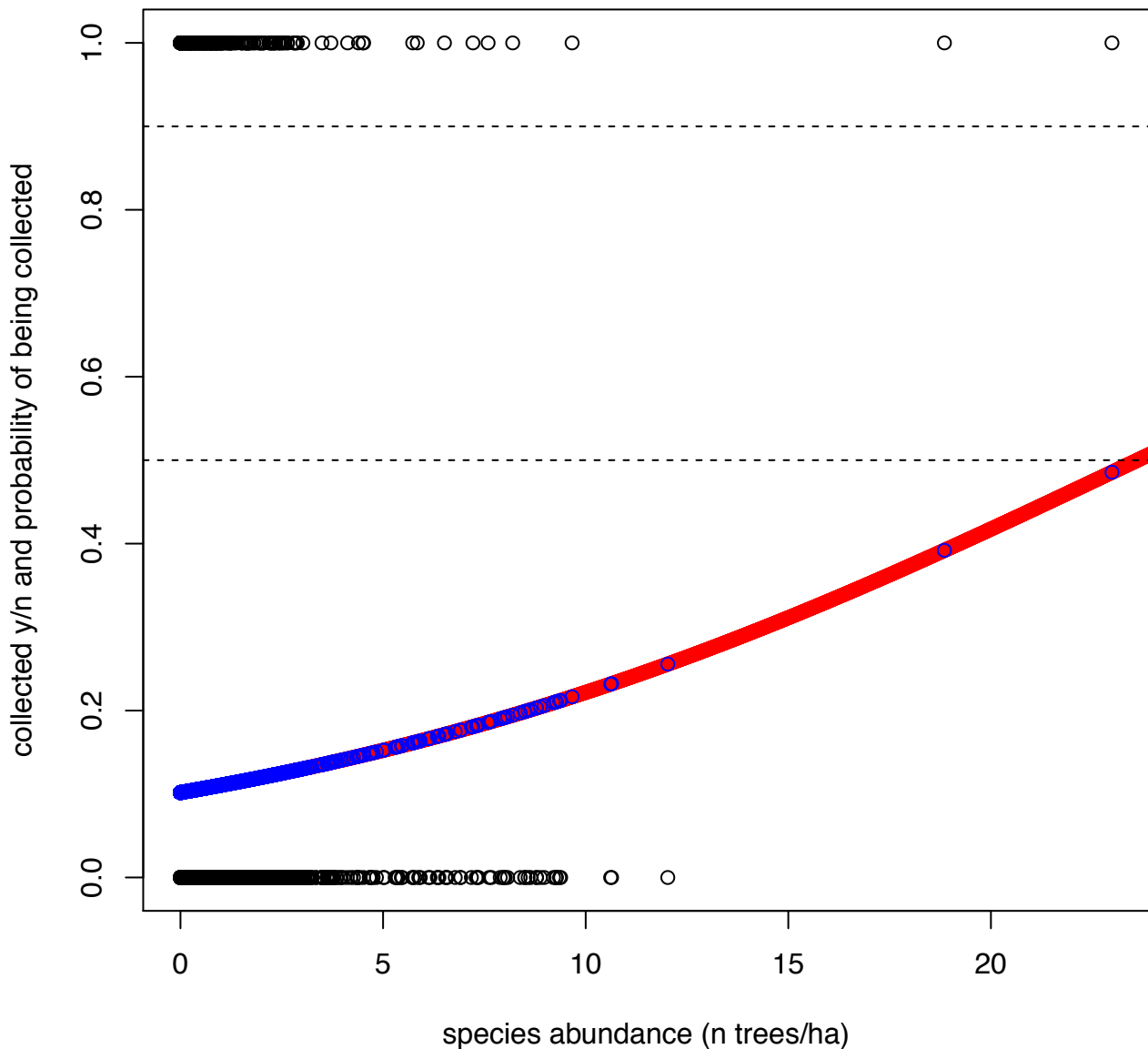
Swartzia_leiocalycina – Significant



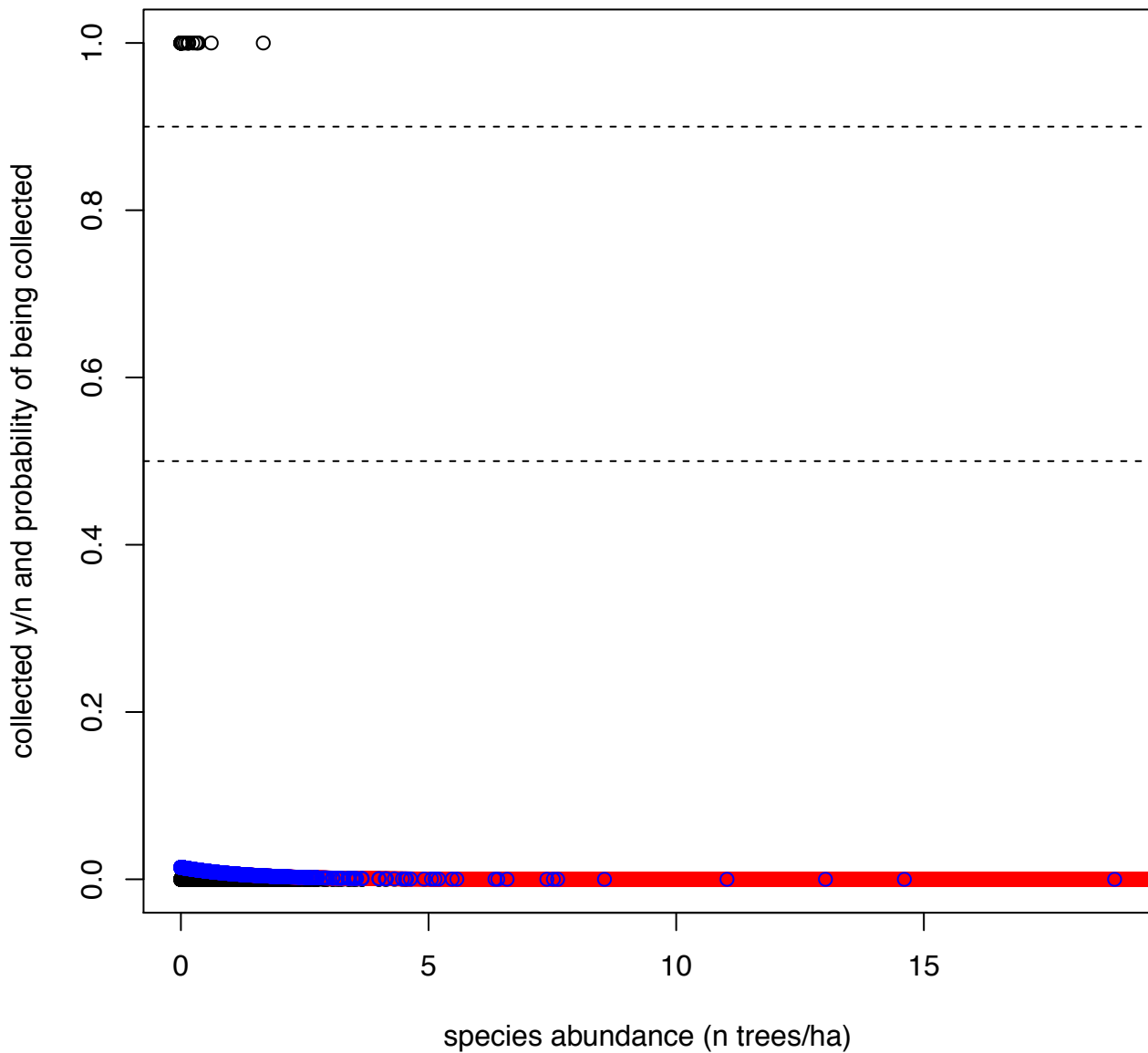
Swartzia_polyphylla – Significant



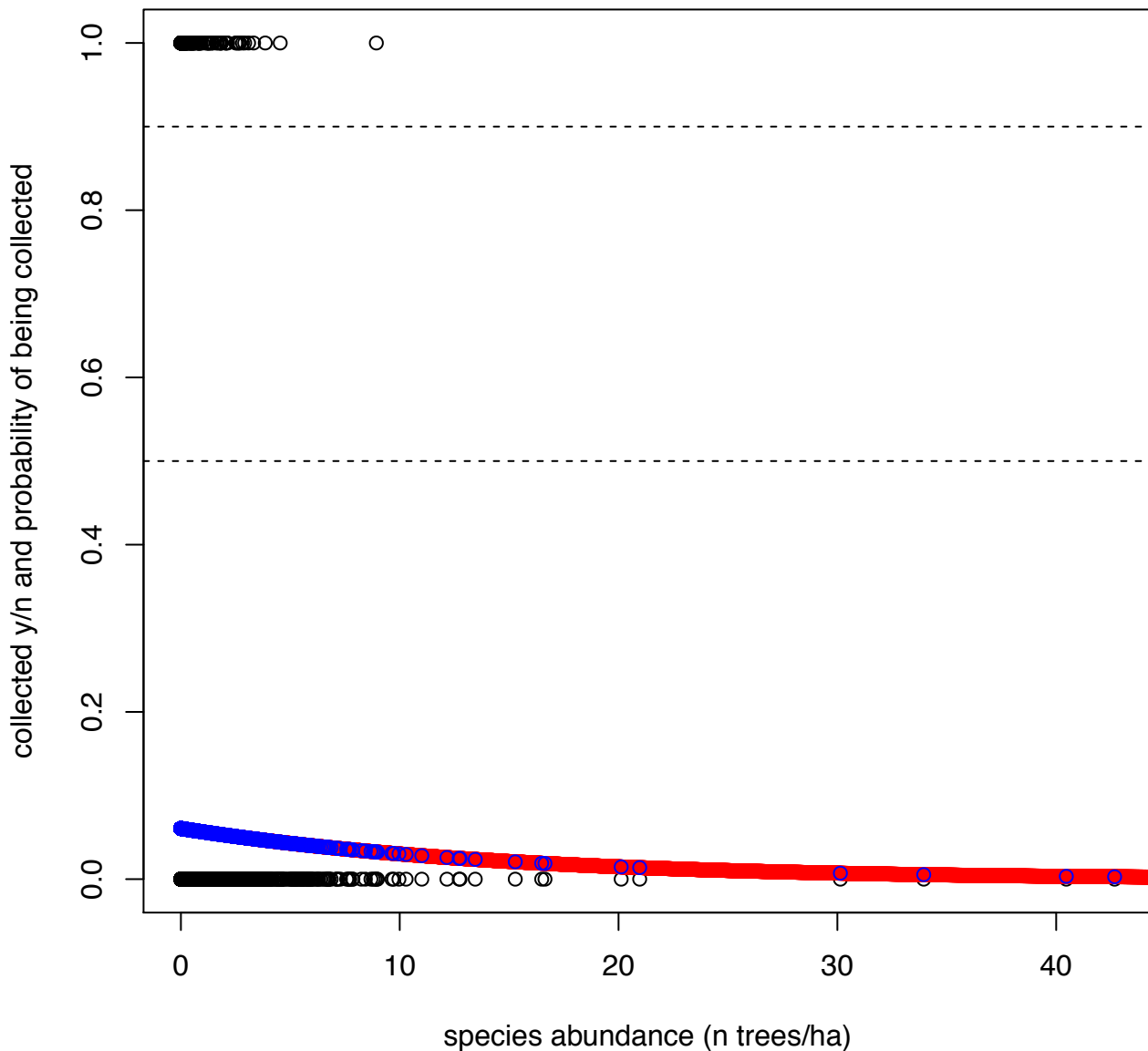
Symphonia_globulifera – Significant



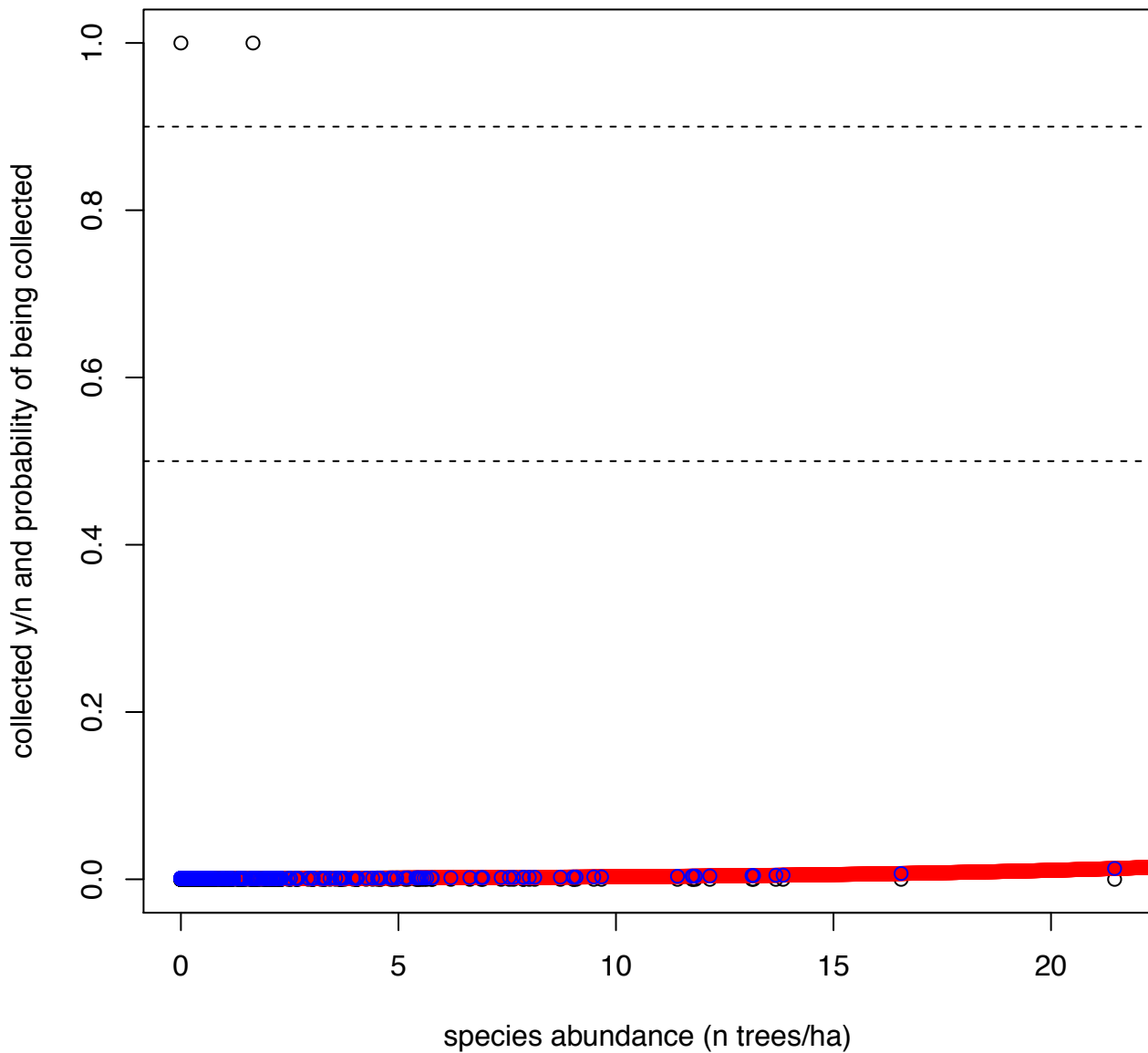
Tachigali_chrysophylla – Non-significant



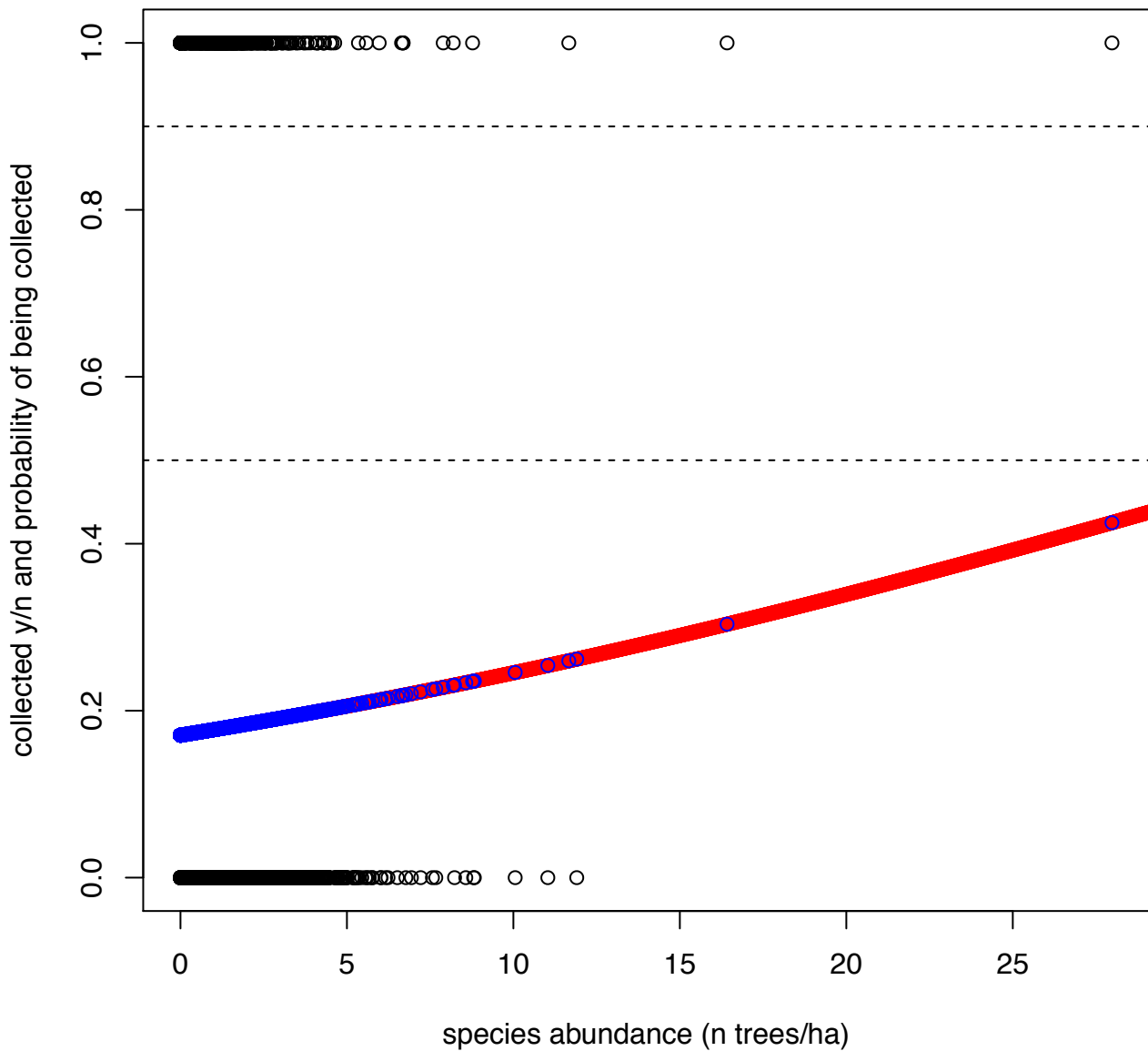
Tachigali_paniculata – Non-significant



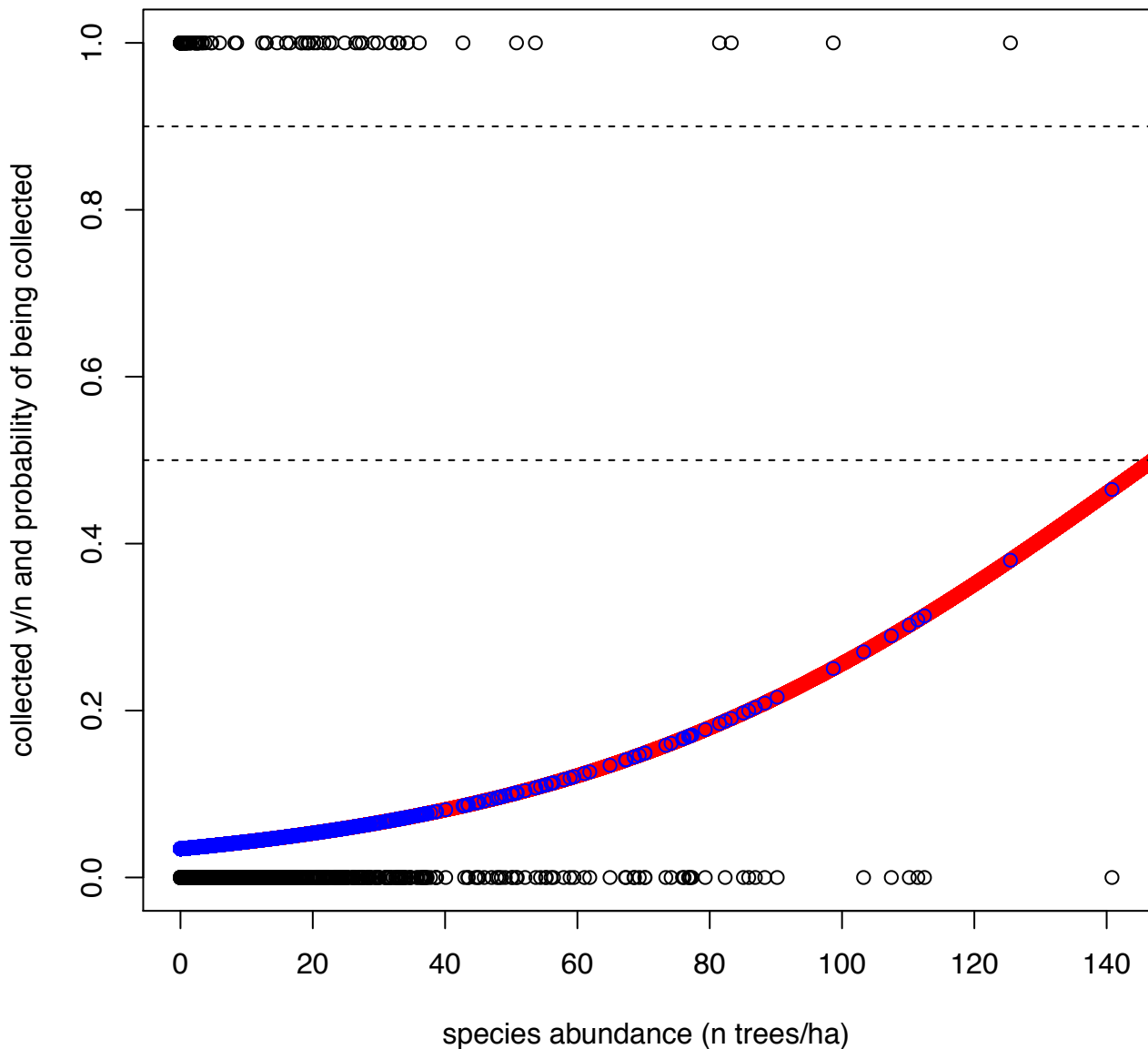
Tachigali_rugosa - Non-significant



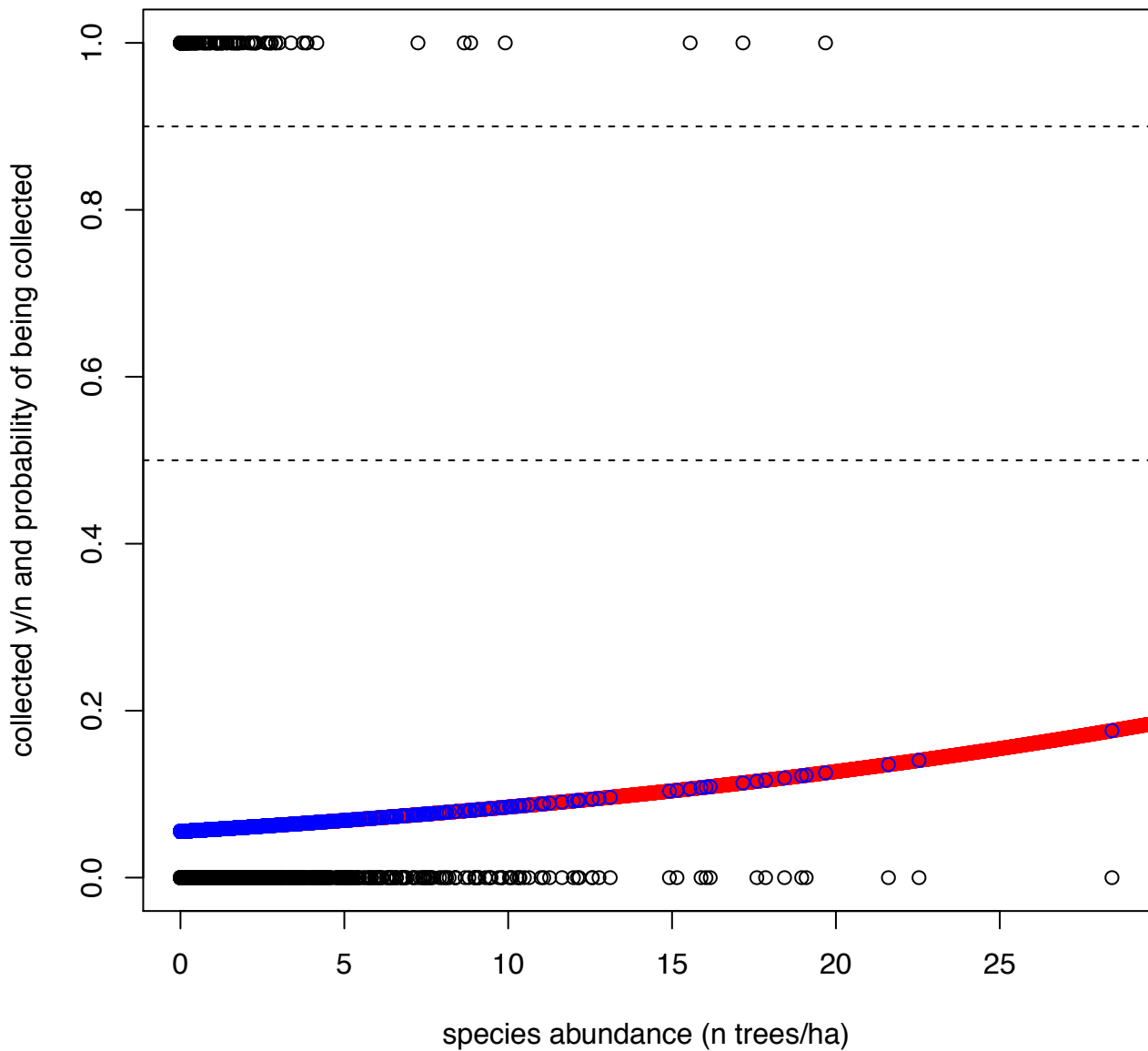
Tapirira_guianensis – Non-significant



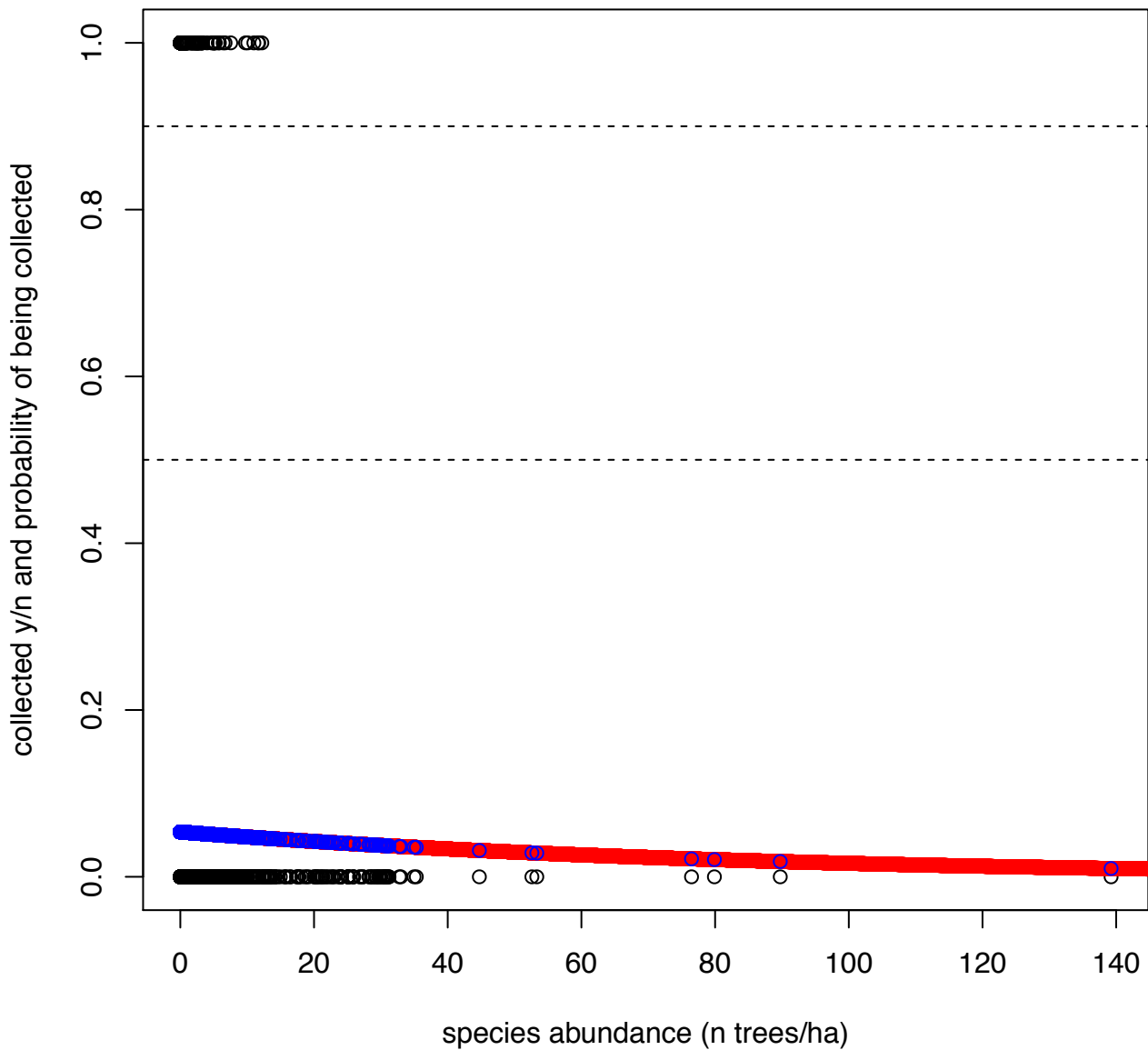
Tetragastris_altissima – Significant



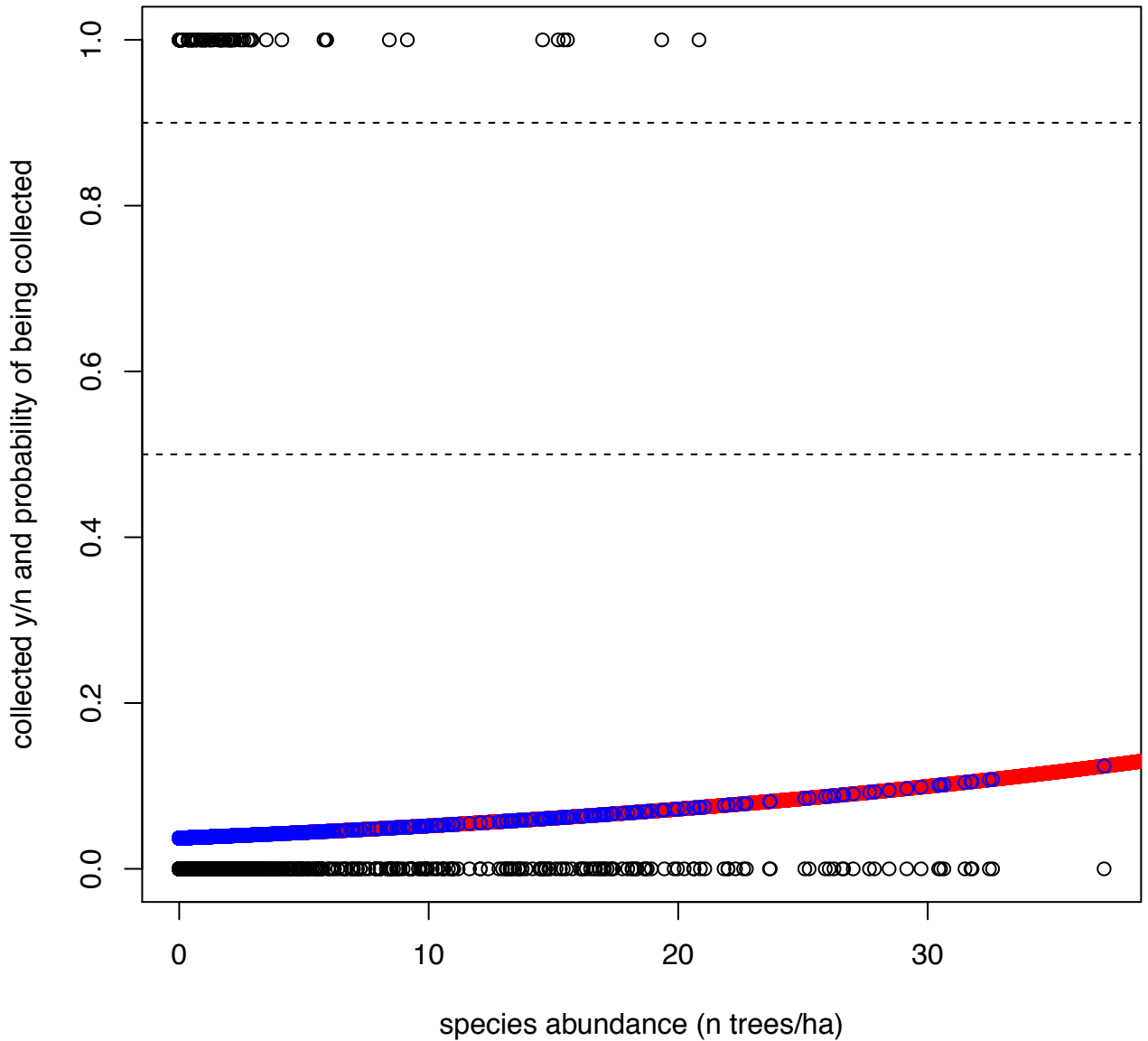
Tetragastris_panamensis – Non-significant



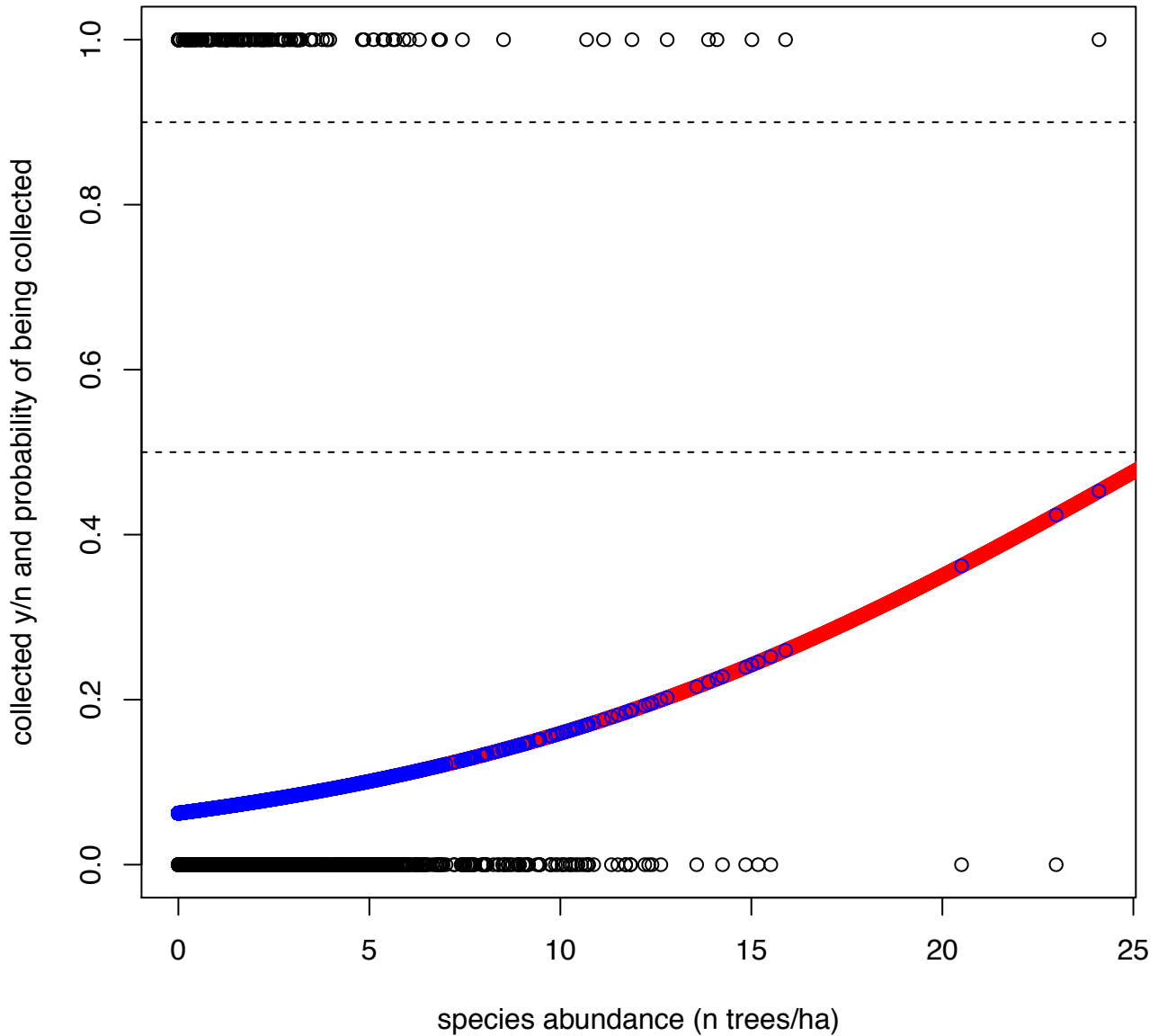
Theobroma_cacao – Non-significant



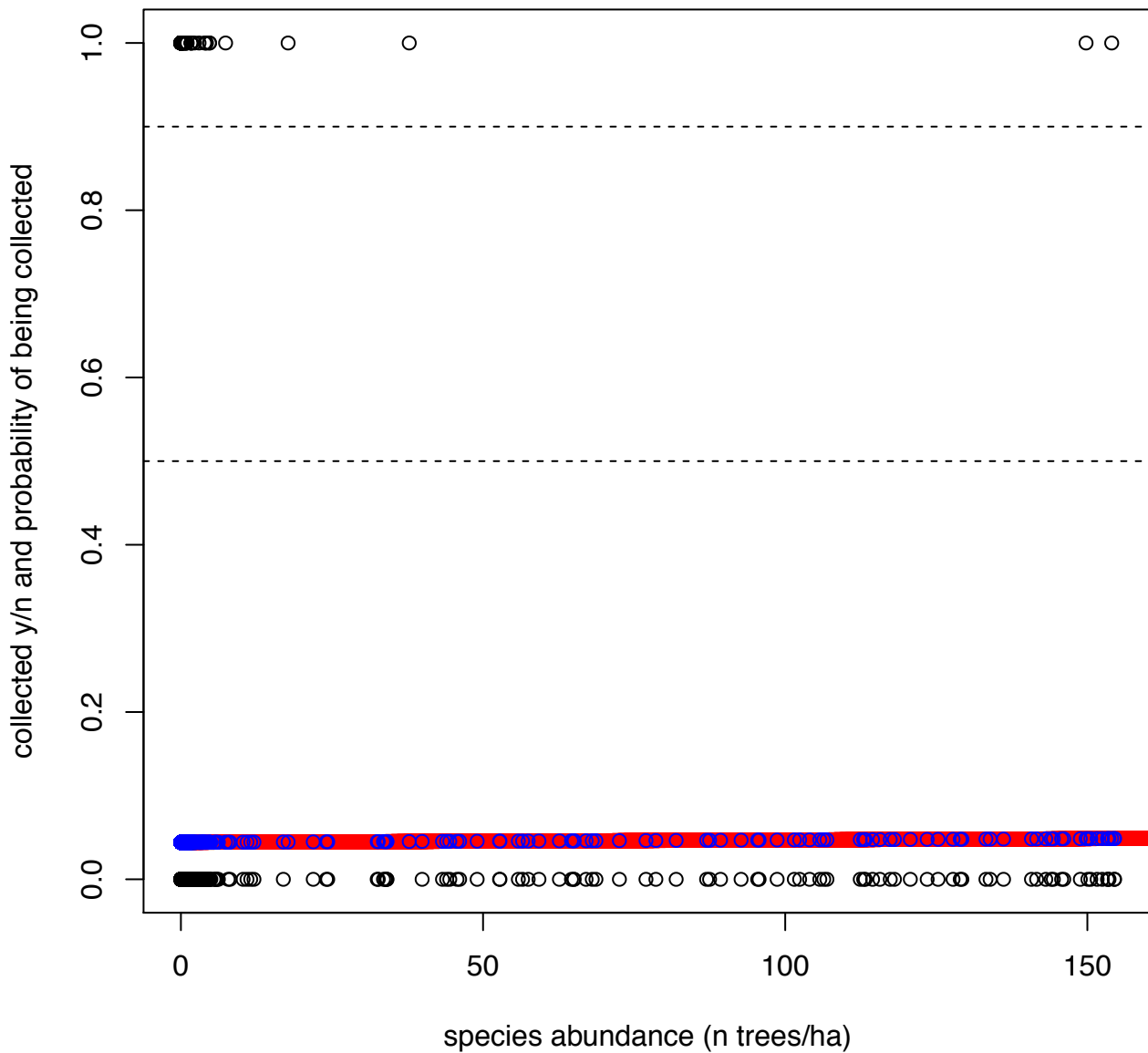
Theobroma_speciosum – Non-significant



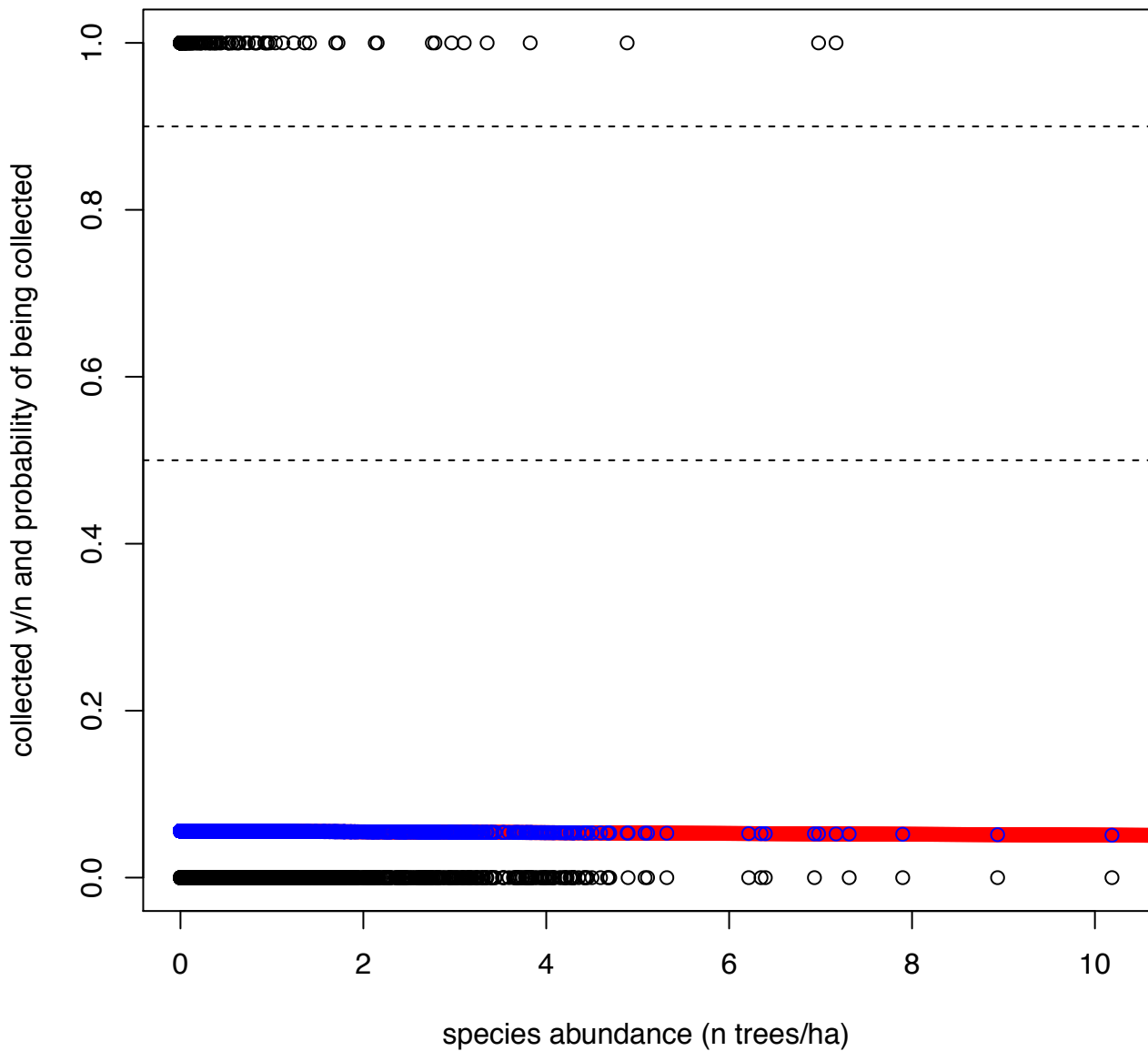
Theobroma_subincanum – Significant



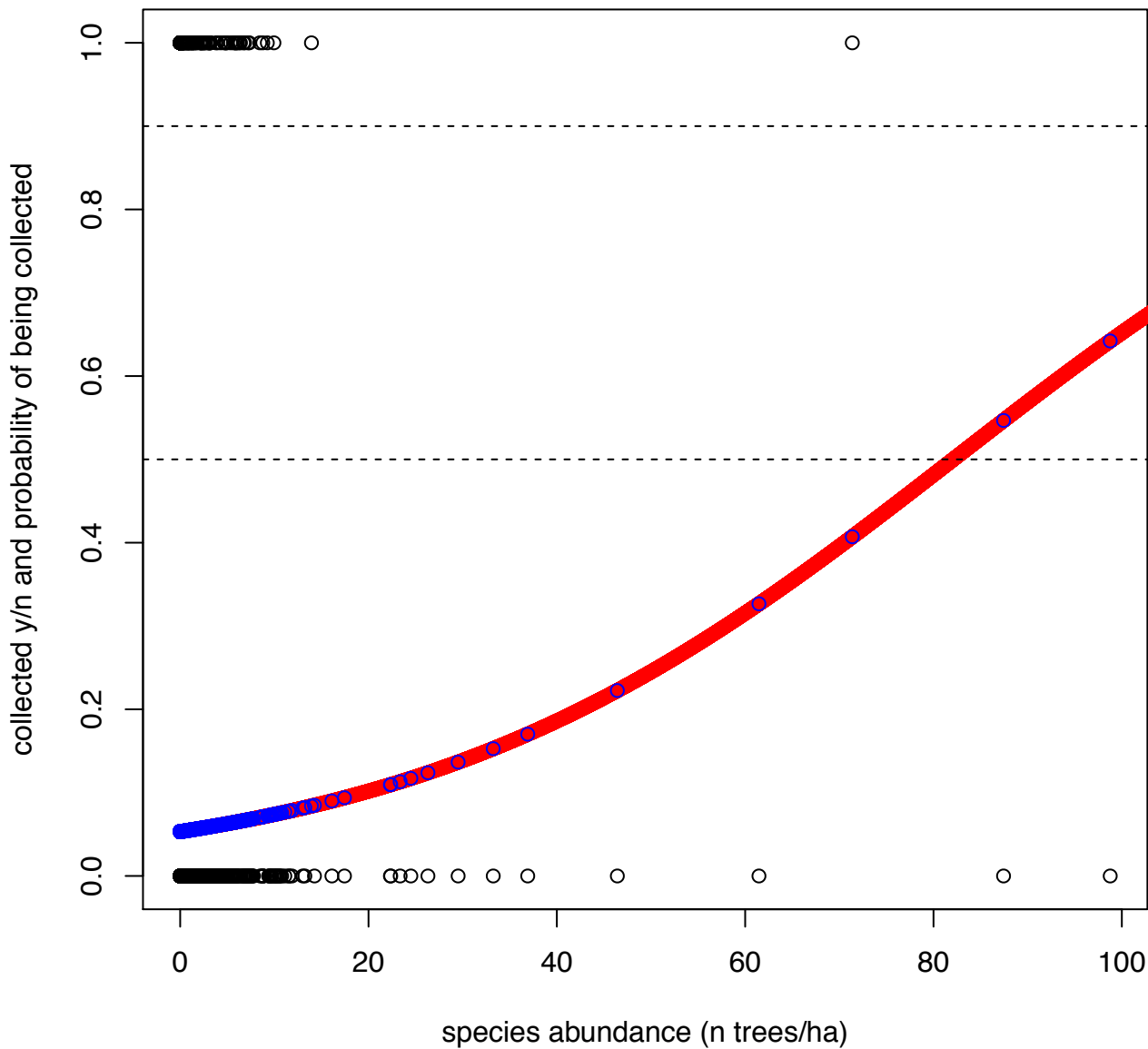
Trattinnickia_burserifolia – Non-significant



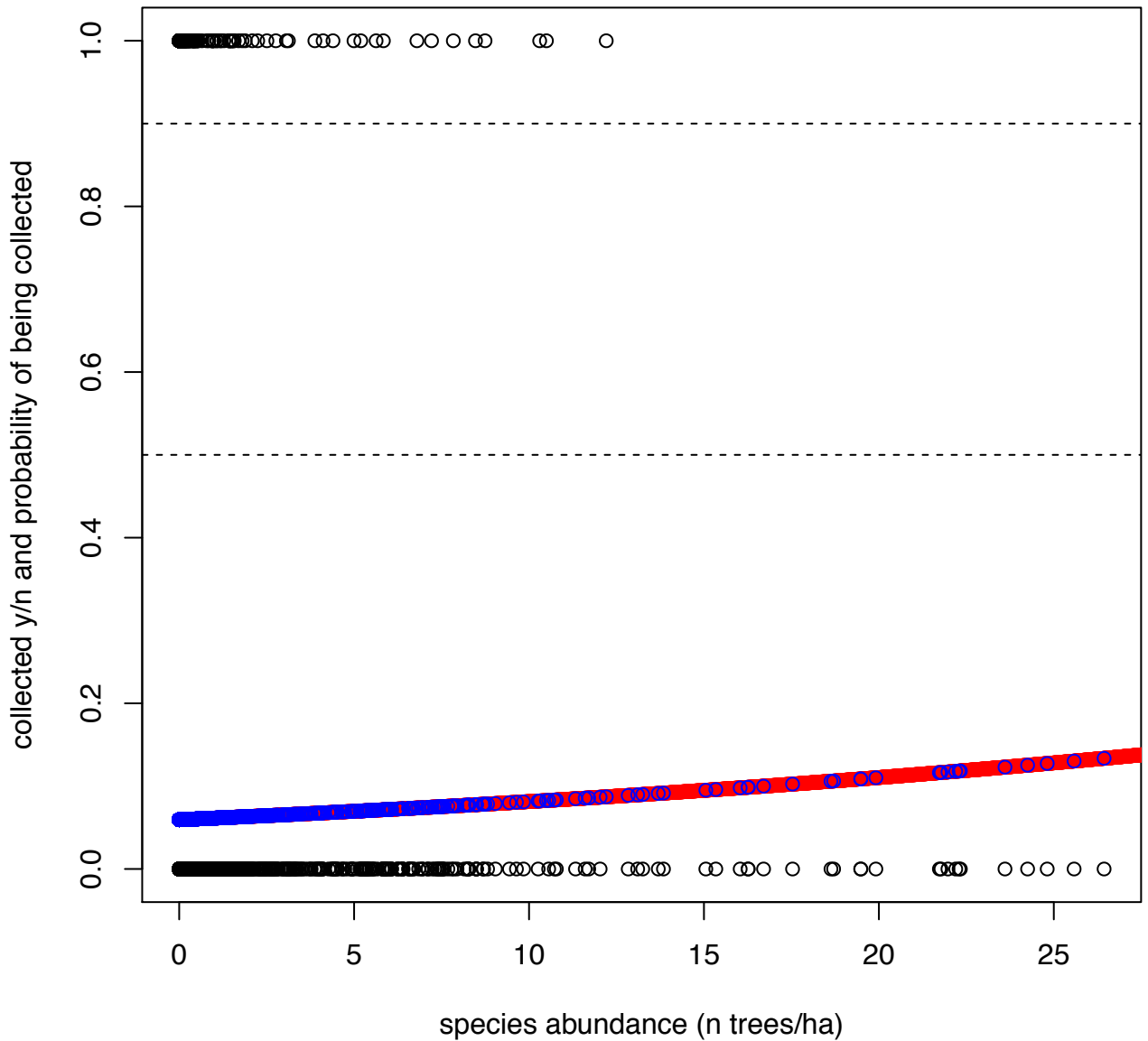
Trichilia_micrantha – Non-significant



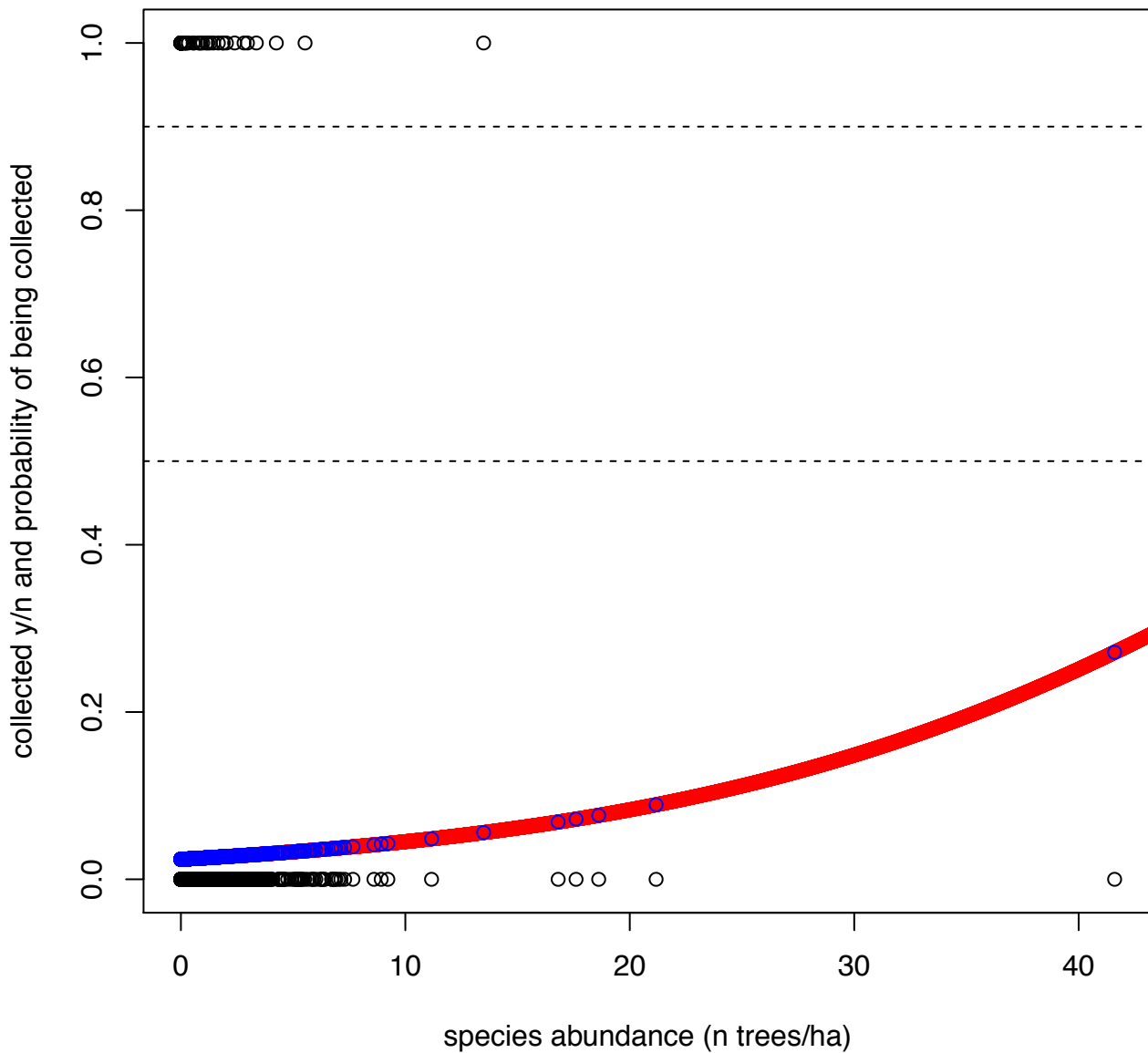
Trichilia_pleena – Significant



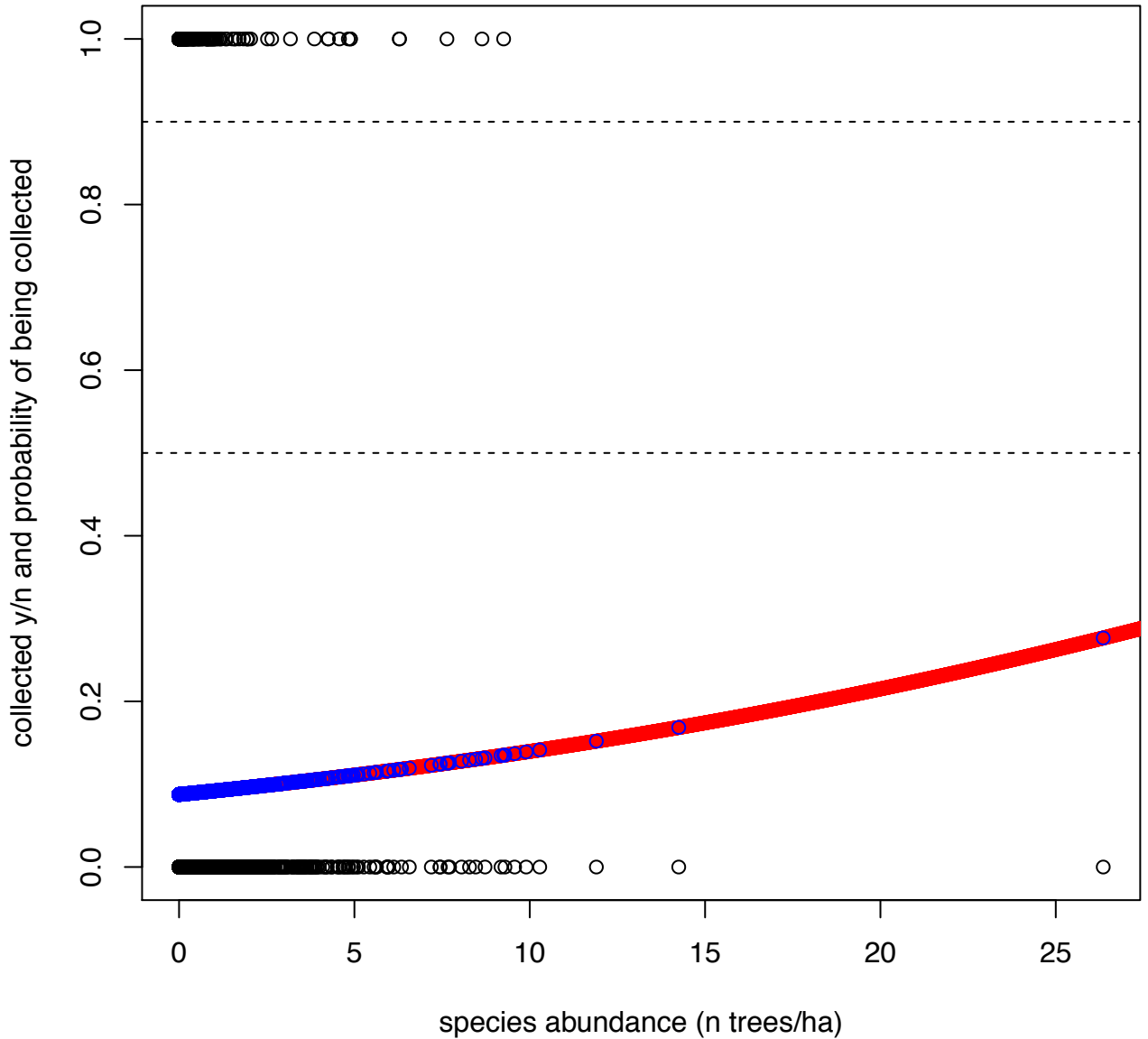
Trichilia_quadrijuga – Non-significant



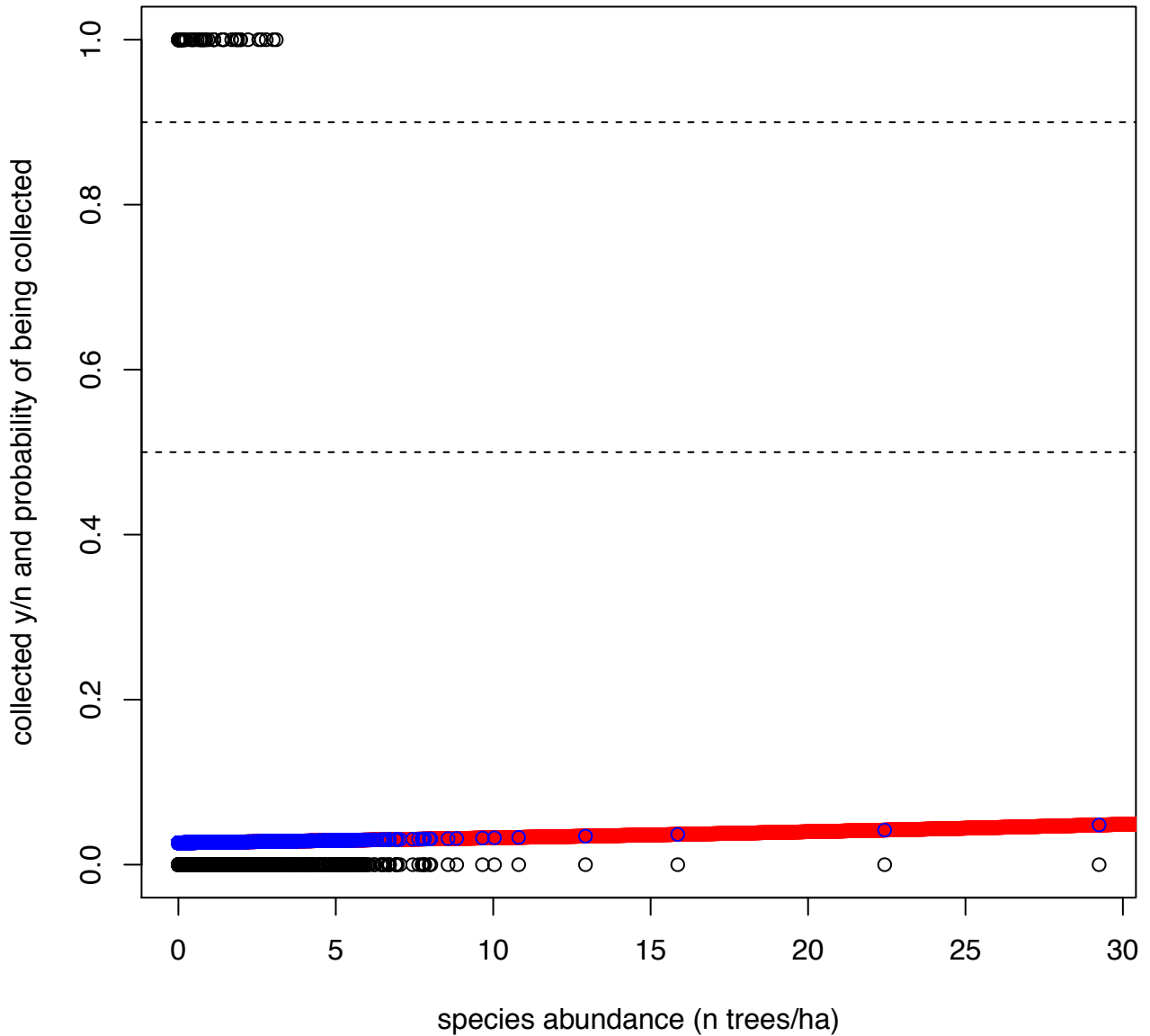
Triplaris_weigeltiana – Non-significant



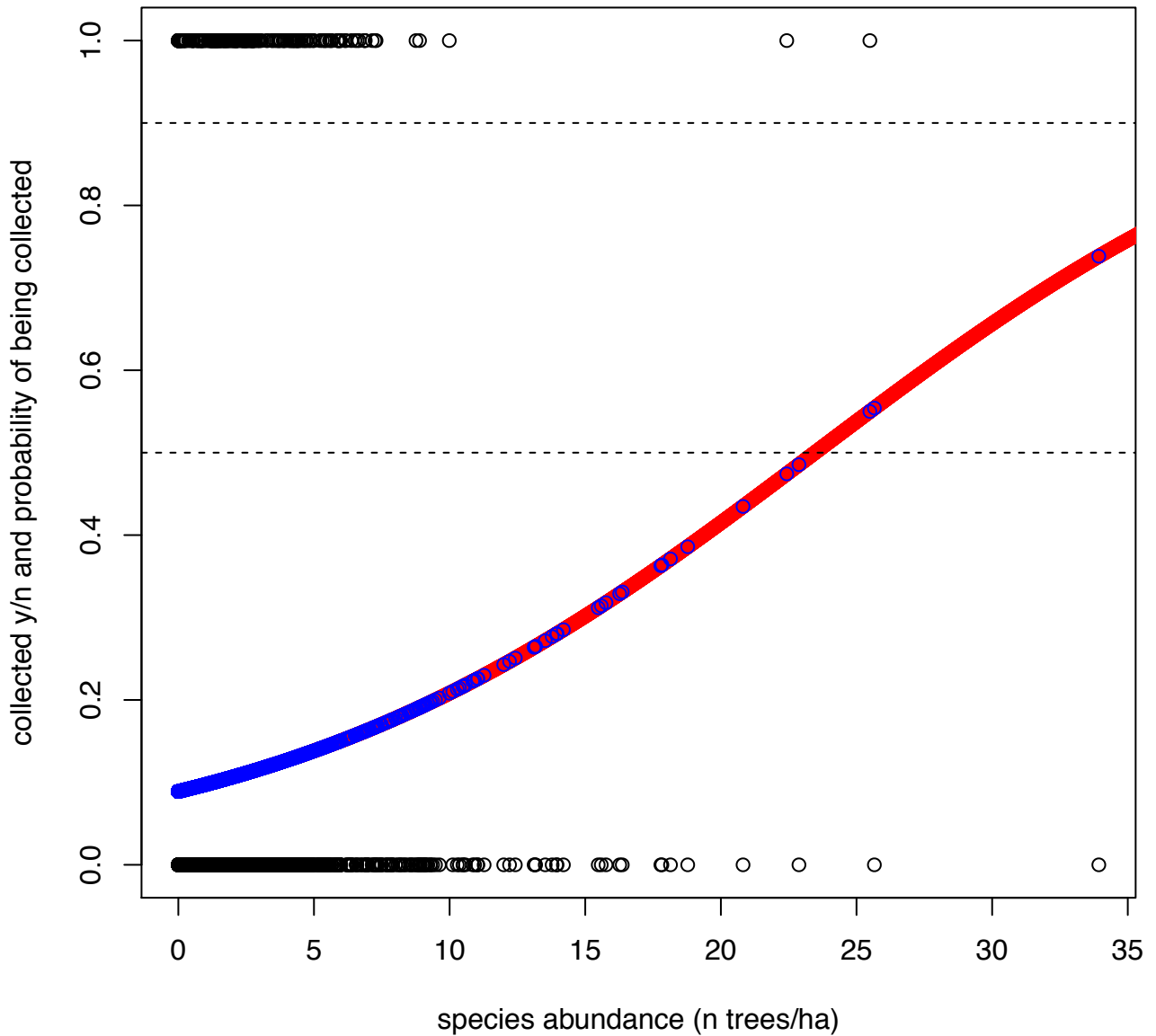
Unonopsis_gutterioides – Non-significant



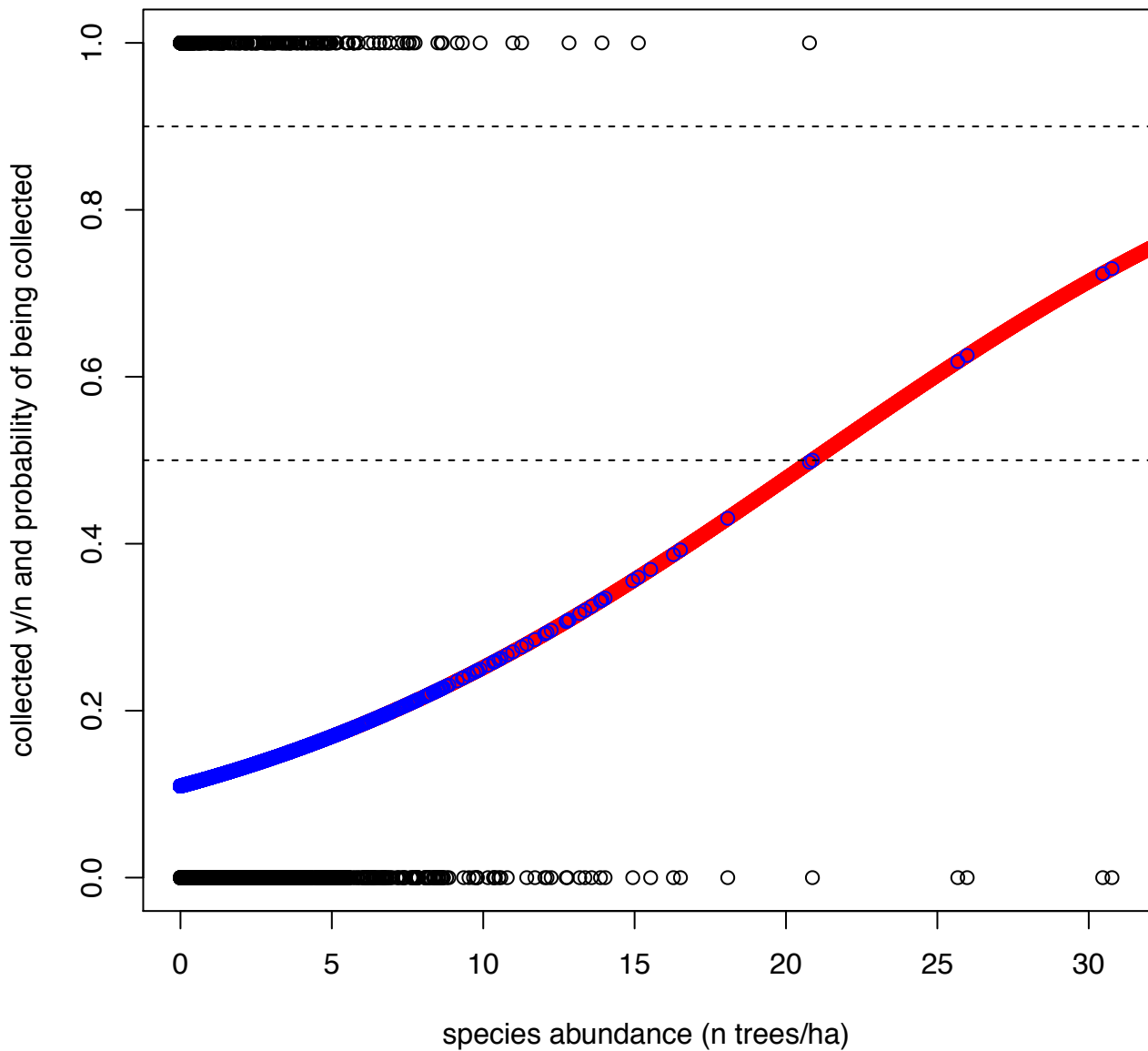
Vatairea_guianensis – Non-significant



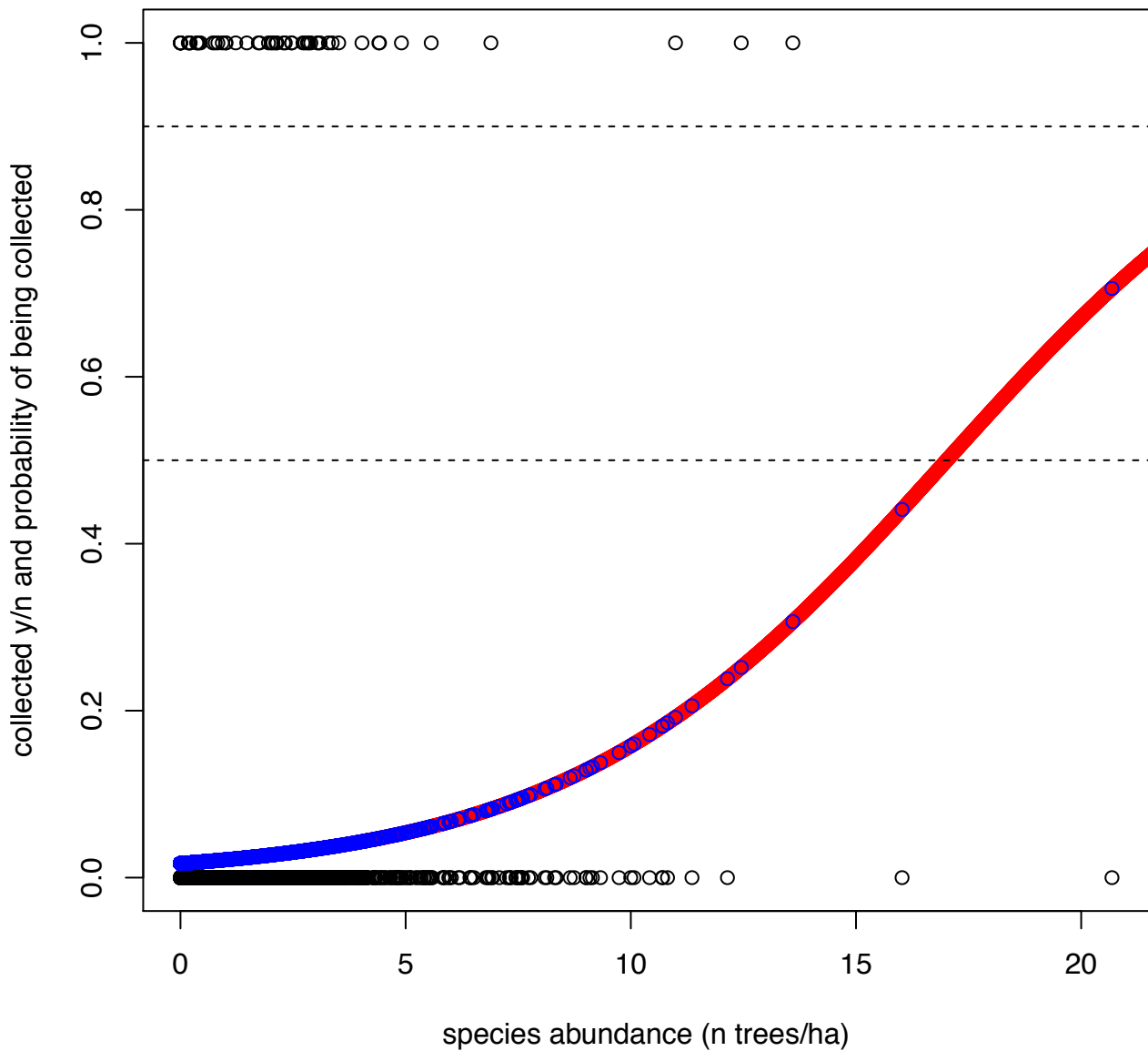
Virola_calophylla – Significant



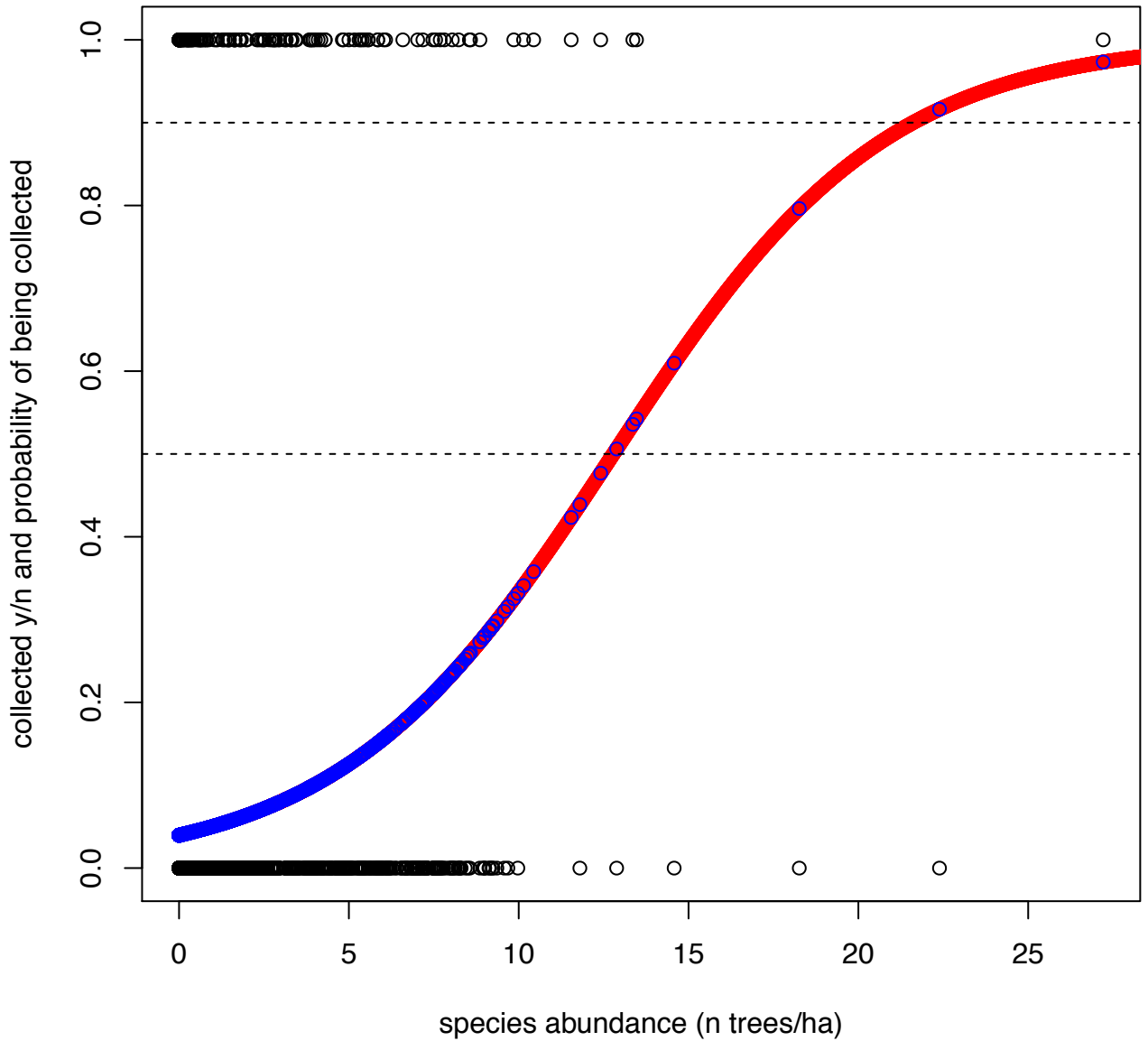
Virola_elongata – Significant



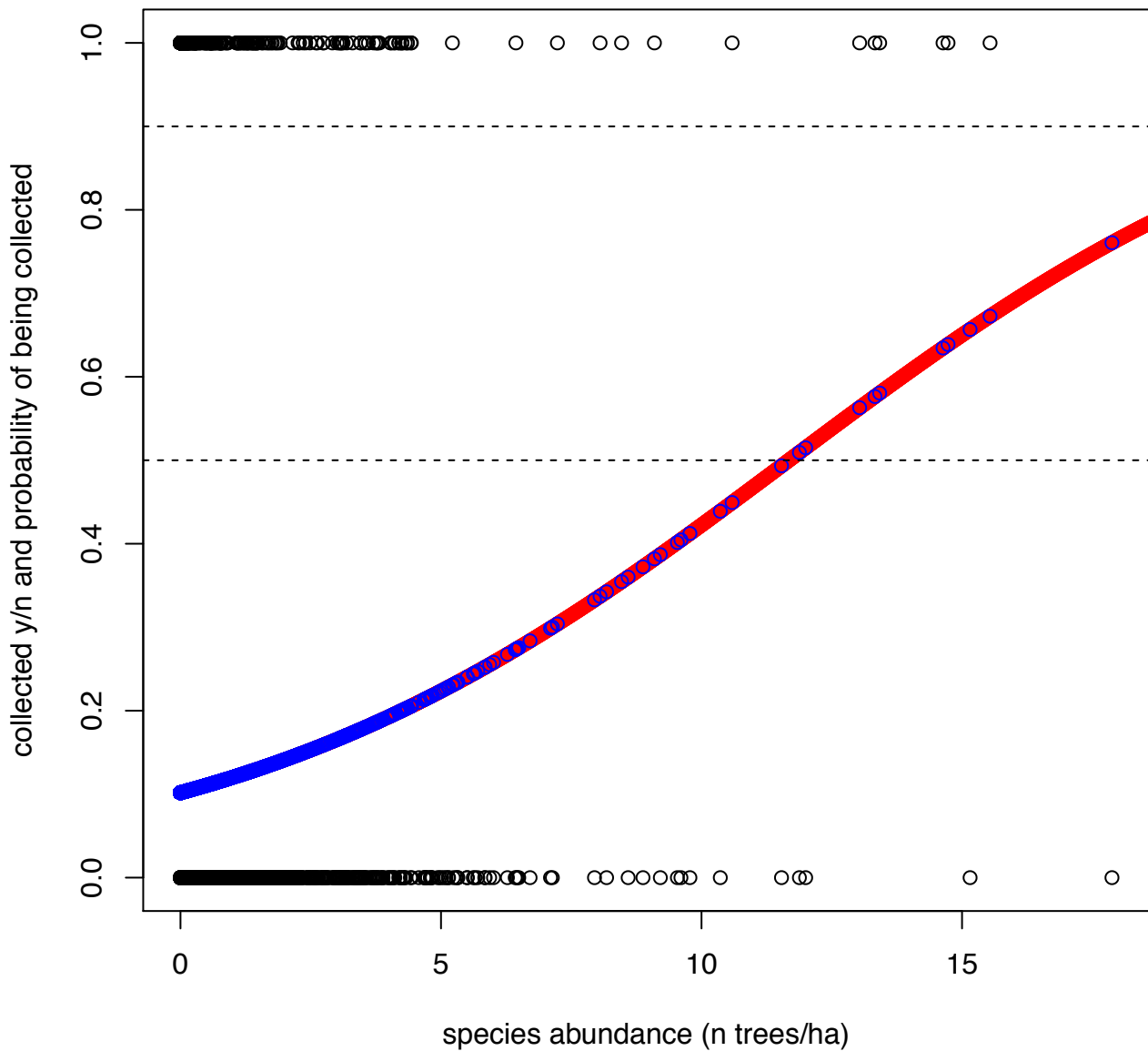
Virola_michelii – Significant



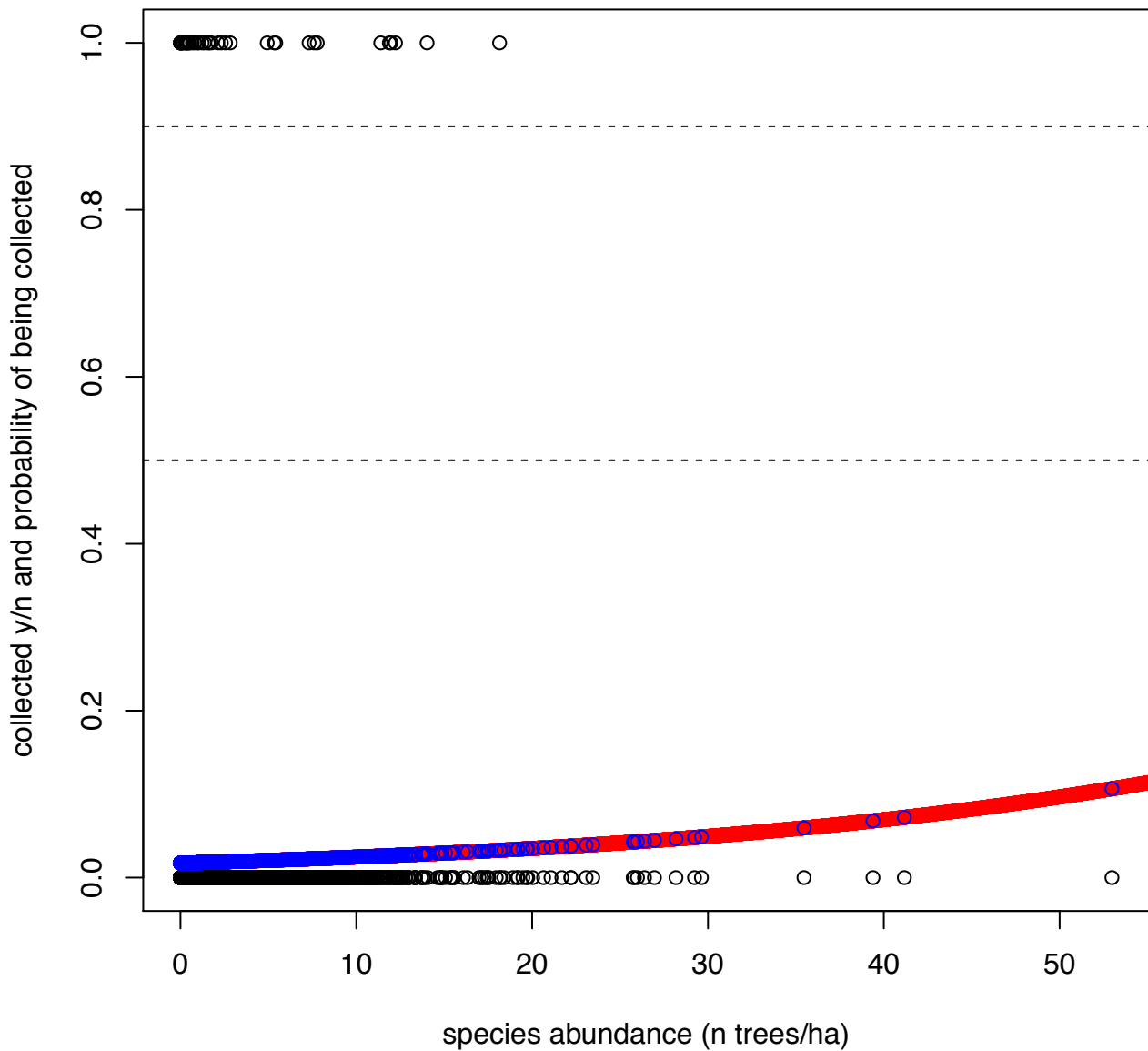
Virola_pavonis – Significant



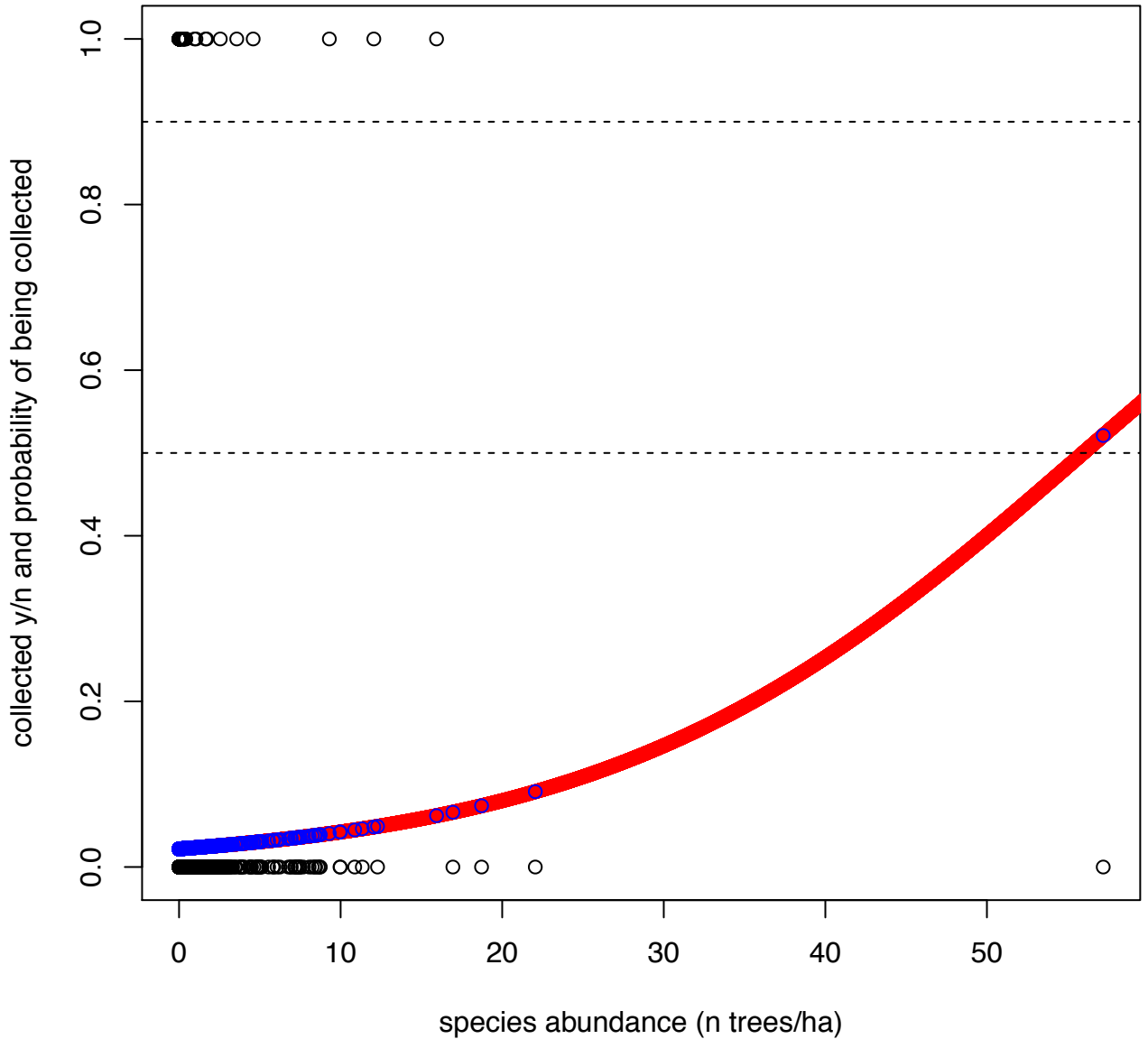
Virola sebifera – Significant



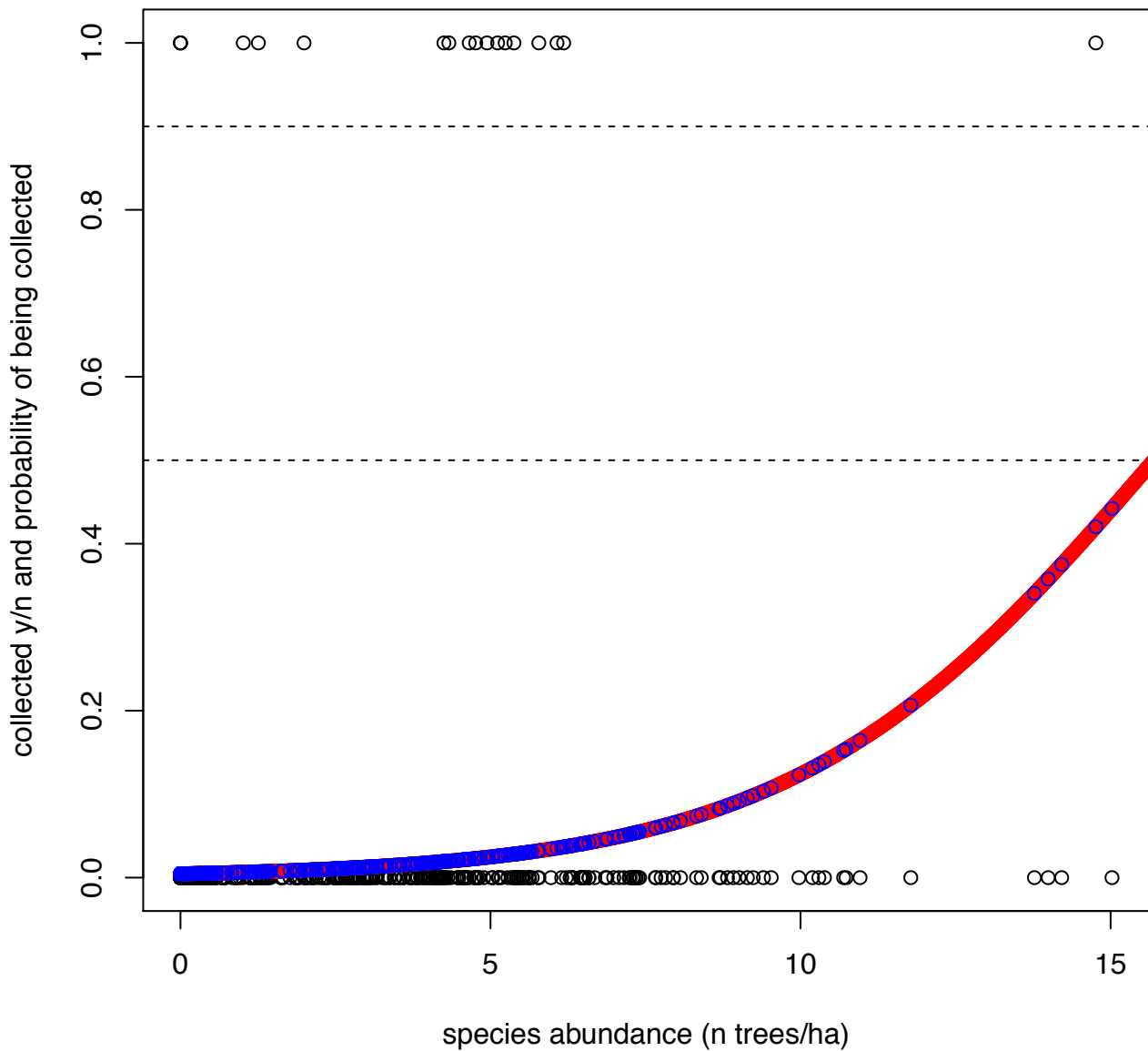
Virola_surinamensis – Non-significant



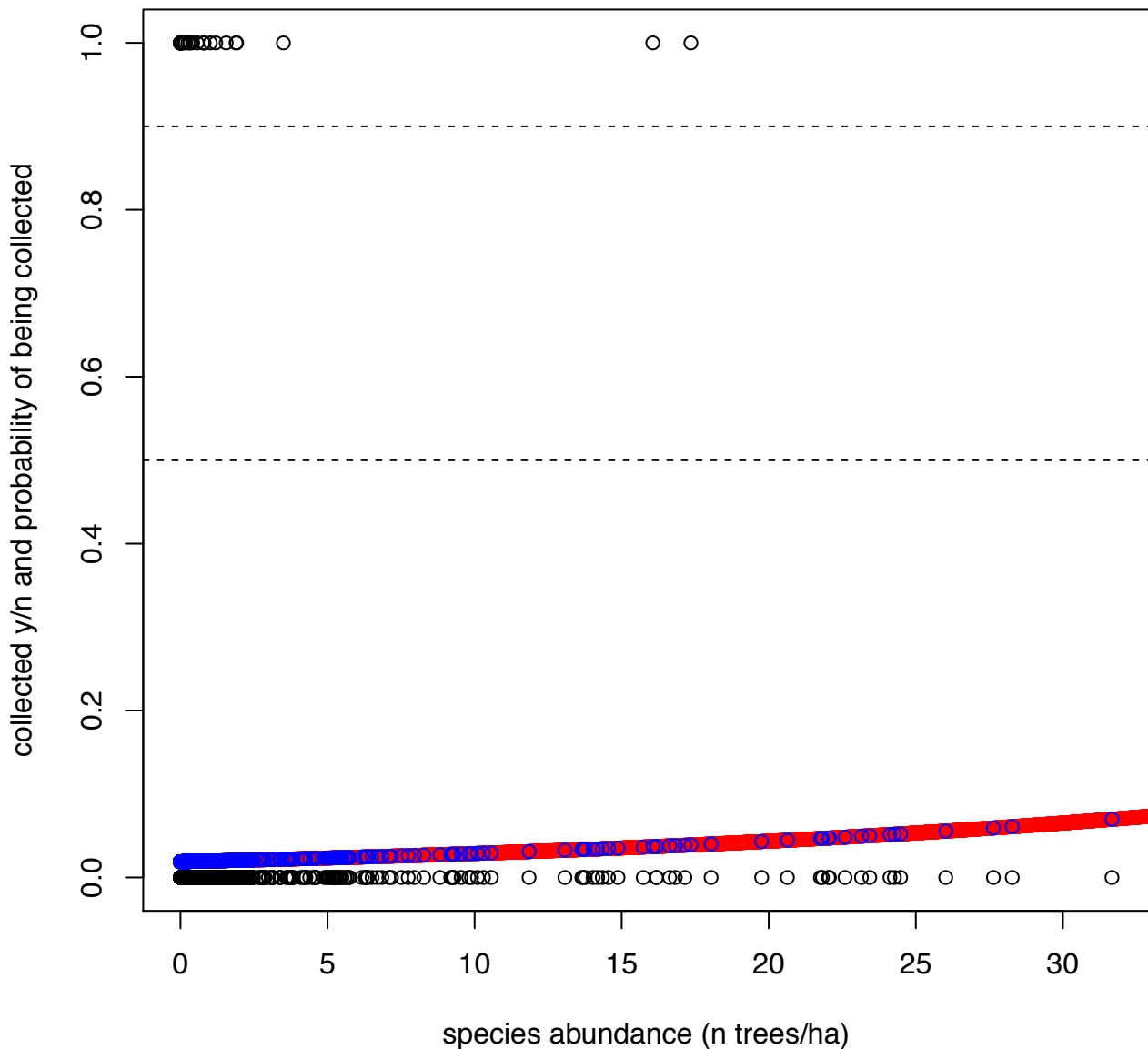
Vitex_cymosa – Significant



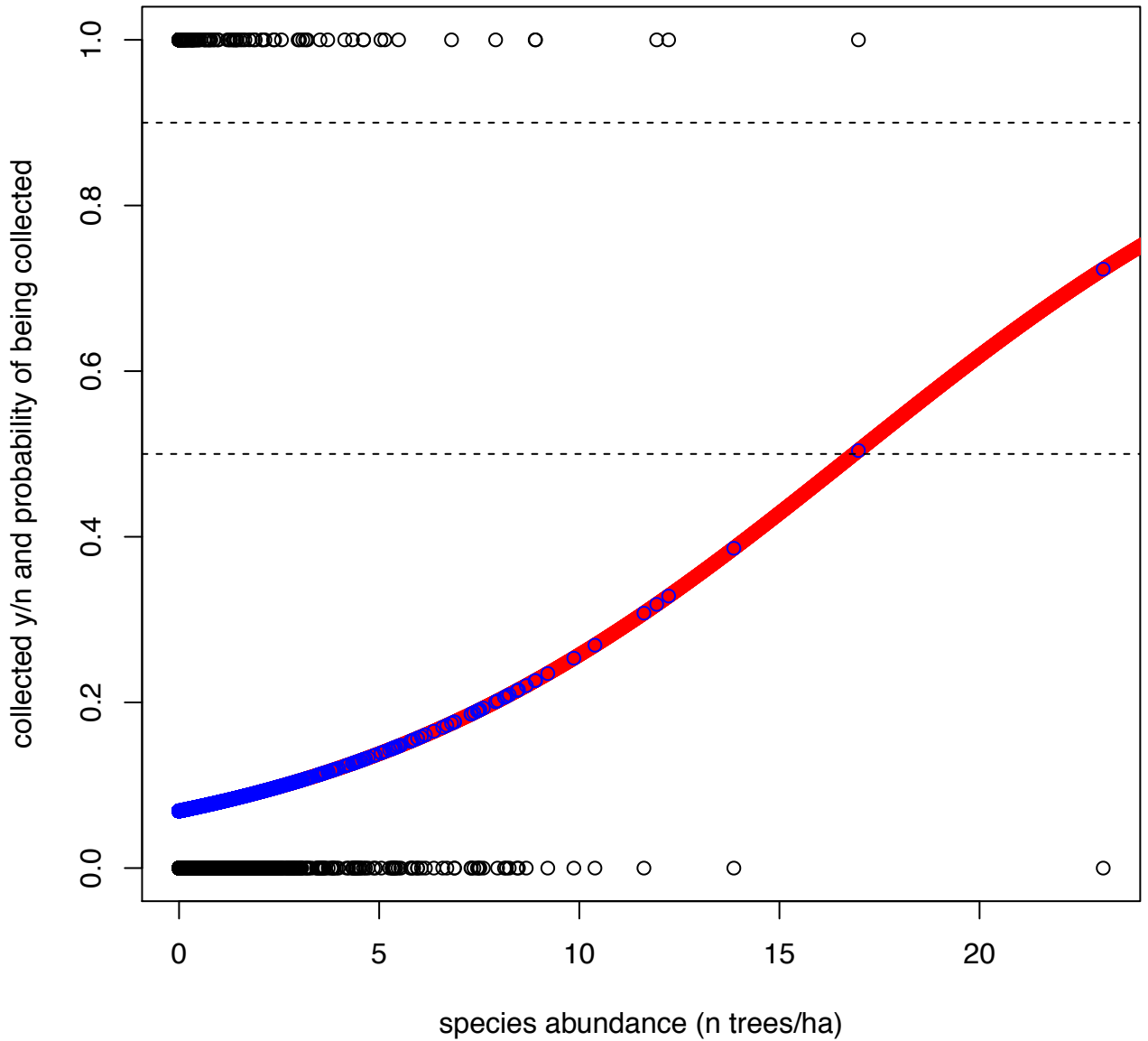
Vouacapoua_americana – Significant



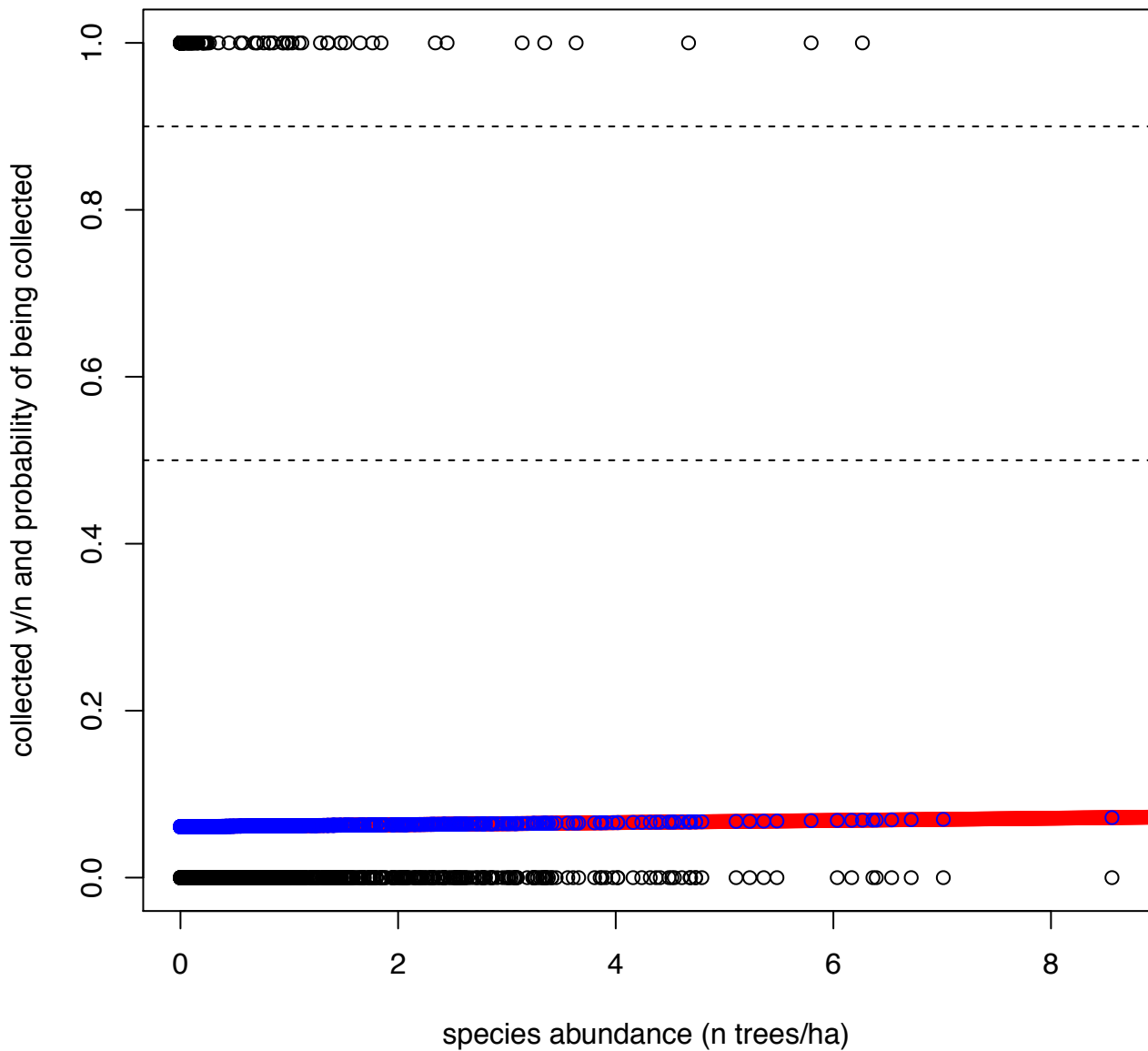
Xylopia_amazonica – Non-significant



Zygia_cataractae – Significant



Zygia_latifolia – Non-significant



Zygia_racemosa – Significant

